# Appendix C

# Groundwater Analytical Data (Including Tunnel, Basement, and Sewer Water Grab Sample Data)

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| 03-02 | 6/14/2002 | 6.75 | 14.5 | 0.744 | 0.96 | -74 | 34.5 |
| 03-101 | 6/25/2002 | 6.65 | 14.6 | 0.423 | 0 | -155 | 173 |
| 03-109 | 6/13/2002 | 6.27 | 20.3 | 0.59 | 3.2 | 91 | -9.3 |
| 03-114R | 3/31/2003 | 6.77 | 10.12 | 2.24 | 1.15 | 191 | 8.7 |
| 04-4 | 3/27/2003 | 7.49 | 6.46 | 1.75 | 0.99 | -10 | 0 |
| 04-160 | 6/25/2002 | 6.72 | 19.8 | 4.03 | 7.21 | -58 | 245 |
| 04-160 | 10/4/2004 | 8.00 | 15.90 | 2.166 | 0.88 | -129.7 | 30.0 |
| 07-02 | 6/20/2002 | 6.76 | 16.1 | 0.78 | 0 | 48 | 311 |
| 07-02 | 4/2/2003 | 7.11 | 9.03 | 0.685 | 3.78 | 224 | 29.6 |
| 20-101R | 6/19/2002 | 6.03 | 14.88 | 4.32 | 4.15 | -155 | 13.9 |
| 20-101R | 10/11/2004 | 7.00 | 15.68 | 4.040 | 0.69 | -101.3 | 7.82 |
| 20-101RD | 3/27/2003 | 7.64 | 9.66 | 1.71 | 0.75 | 91 | 66.2 |
| 20-101RD | 10/11/2004 | 7.40 | 15.32 | 2.349 | 0.93 | -145.8 | 95.7 |
| 20-102 | 6/21/2002 | 6.26 | 18.05 | 14.6 | 0 | 282 | 0 |
| 20-102 | 3/27/2003 | 6.70 | 10.56 | 5.26 | 1.12 | 219 | 3.8 |
| 20-103N | 6/19/2002 | 6.08 | 16.33 | 0.541 | 4.74 | 82 | 7.9 |
| 20-105R | 6/19/2002 | 6.08 | 16.09 | 8.4 | 4.59 | -7 | 49.8 |
| 20-105R | 3/26/2003 | 6.80 | 9.75 | 7.7 | 0.92 | 98 | 4.2 |
| 20-120 | 6/17/2002 | 6.65 | 14.07 | 19.7 | 0 | 306 | 0 |
| 20-121 | 6/14/2002 | 6.80 | 16.9 | 1.78 | 0 | -31 | 37.2 |
| 20-121 | 3/26/2003 | 6.84 | 13.34 | 2.7 | 0.87 | 3 | 0 |
| 20-140 | 6/20/2002 | 6.50 | 18.31 | 6.83 | 4.8 | 38 | 2.4 |
| 20-140 | 3/31/2003 | 6.61 | 11.38 | 3.78 | 1.38 | 177 | 6.6 |
| 20-140 | 10/11/2004 | 6.84 | 17.75 | 8.140 | 0.60 | -7.5 | 5.38 |
| 20-143 | 10/12/2004 | 6.99 | 16.31 | 7.496 | 2.45 | 212.8 | 5.48 |
| 20-144 | 6/18/2002 | 6.48 | 16.87 | 13.9 | 9.42 | -232 | 0 |
| 20-145 | 6/18/2002 | 5.96 | 16.21 | 1.4 | 9.88 | -92 | 0 |
| 20-500 | 6/14/2002 | 6.37 | 14.97 | 7.09 | 0 | -118 | 169 |
| 20-500 | 3/26/2003 | 7.16 | 10.54 | 11.41 | 0.34 | -65 | 0 |
| 20-FP11 | 6/19/2002 | 6.65 | 17.5 | 3.7 | 1.66 | -102 | 98.4 |
| 20-FP6 | 6/19/2002 | 6.58 | 17.6 | 0.94 | 0 | -141 | 58.6 |
| 20-FP6 | 3/27/2003 | 7.54 | 9.44 | 1.15 | 0.43 | -174 | 0 |
| 30-140 | 6/13/2002 | 7.00 | 12.3 | 6.76 | 5.33 | 76 | 0 |
| 30-140 | 3/27/2003 | 7.19 | 7.96 | 3.64 | 1.48 | 69 | 1 |
| 30-140 | 10/4/2004 | 7.02 | 18.20 | 11.43 | 0.35 | 24.3 | 3.47 |
| 31-5 | 6/21/2002 | 7.13 | 17 | 3.12 | 0 | -6 | 114 |
| 31-6 | 6/21/2002 | 6.70 | 16.69 | 1.01 | 2.24 | 296 | 0 |
| 31-8 | 6/24/2002 | 7.31 | 20.7 | 3.50 | 1.18 | -130 | 16.2 |
| 36-100 | 6/13/2002 | 6.77 | 14.6 | 4.63 | 0 | -110 | 44 |
| 36-100 | 3/25/2003 | 6.90 | 12.05 | 2.86 | 0.55 | -88 | 2 |
| 36-100 | 6/10/2005 | 7.67 | 19.13 | 4.12 | 6 | -249.2 | 5.2 |
| 36-101 | 6/13/2002 | 6.58 | 13.84 | 3.41 | 0 | -19 | 2.1 |
| 36-FP1 | 6/14/2002 | 6.33 | 14.65 | 6.68 | 0 | -106 | 20.5 |
| 36-FP1 | 3/27/2003 | 6.73 | 11.77 | 4.20 | 0.94 | -171 | 2 |
| 36-FP1 | 6/9/2005 | 7.39 | 16.98 | 9.87 | 0.41 | -121.9 | 3.35 |
| 36-FP2 | 6/14/2002 | 6.29 | 12.75 | 6.12 | 0 | -121 | 49.5 |
| 36-FP2 | 3/25/2003 | 6.86 | 10.41 | 2.28 | 0.22 | 68 | 4.6 |
| 36-FP5 | 12/16/2002 | 7.22 | 21.78 | 1.58 | 0.08 | -109 | 0 |
| 36-FP5 | 4/2/2003 | 6.82 | 21.82 | 1.28 | 2.09 | 79 | 23.2 |
| 36-FP8 | 6/17/2002 | 6.88 | 15.08 | 7.99 | 0 | -130 | 0 |
| 36-FP8 | 3/25/2003 | 6.85 | 11.39 | 26.60 | 1.46 | 131 | 0 |
| 37-01 | 12/18/2002 | 7.04 | 10.5 | 1.17 | 0.8 | 8 | 23 |
| 40-1R | 4/3/2003 | 7.05 | 4.1 | 0.64 | 6.37 | 17 | 4.5 |
| 40-2 | 12/17/2002 | 7.06 | 8.3 | 8.43 | 0.96 | -131 | 54.8 |
| 40-2 | 3/24/2003 | 6.93 | 12.24 | 4.02 | 0.47 | 131 | 2.6 |
| 40-3 | 12/17/2002 | 6.92 | 6.99 | 11.40 | 5.88 | -94 | 0 |
| 40-3 | 3/24/2003 | 7.08 | 18.17 | 2.20 | 1.39 | 81 | 32.4 |
| 40-303R | 6/24/2002 | 6.01 | 22.03 | 1.52 | 6.83 | 51 | 16.2 |
| 40-303R | 3/27/2003 | 7.17 | 15.02 | 1.69 | 4.11 | 156 | 40.3 |
| 40-303R | 10/5/2004 | 7.80 | 15.33 | 1.09 | 0.28 | -51.8 | 23.8 |
| 40-304 | 12/17/2002 | 7.40 | 7.02 | 0.72 | 8.72 | -1859 | 0 |

See Notes on Page 9.

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| 40-304 | 3/21/2003 | 7.33 | 3.78 | 0.61 | 0.28 | -33 | 9.3 |
| 40-304 | 10/6/2004 | 8.16 | 16.44 | 0.43 | 0.09 | -159.8 | 2.71 |
| 40-305 | 6/24/2002 | 5.63 | 17.86 | 1.07 | 8.85 | 13 | 0.7 |
| 40-305 | 3/21/2003 | 8.88 | 9.79 | 0.57 | 2.06 | 68 | 166 |
| 40-305 | 3/25/2003 | 7.85 | 9.46 | 0.665 | 0.88 | 106 | 16.5 |
| 40-4R | 6/24/2002 | 7.24 | 22.9 | 2.2 | 4.43 | -119 | 105 |
| 40-4R | 3/24/2003 | 6.81 | 15.91 | 1.286 | 0.35 | -52 | 31.9 |
| 40-6R | 4/23/2003 | 7.01 | 9.12 | 1.025 | 2.42 | -156 | 0.1 |
| 40-6R | 10/5/2004 | 7.47 | 17.64 | 1.771 | 0.49 | 87.4 | 3.68 |
| 43-101R | 6/18/2002 | 6.87 | 14.7 | 2.71 | 0.7 | -122 | 3.6 |
| 43-140 | 6/12/2002 | 7.12 | 14.6 | 3.5 | 2.58 | 2 | 68.7 |
| 43-140 | 4/3/2003 | 6.83 | 7.65 | 5.73 | 1.14 | 3 | 5.9 |
| 43-140 | 10/12/2004 | 6.88 | 17.66 | 9.287 | 0.74 | 107.3 | 7.90 |
| 43-166 | 6/19/2002 | 6.70 | 17.2 | 15.1 | 0 | -152 | 45.8 |
| 43-168 | 12/17/2002 | 7.00 | 14.9 | 5.93 | 0 | -45 | 20.7 |
| 55-1 | 6/12/2002 | 7.02 | 18.13 | 2.79 | 0 | -153 | 21.4 |
| 55-1 | 3/20/2003 | 7.17 | 20.1 | 1.81 | 0.43 | -93 | 0.5 |
| 55-2 | 3/20/2003 | 7.07 | 10.94 | 2.24 | 0.21 | 85 | 1.2 |
| 55-3 | 6/12/2002 | 6.91 | 14.62 | 8.13 | 0 | -150 | 22.8 |
| 55-3 | 3/21/2003 | 6.90 | 8.76 | 2.54 | 0.79 | 21 | 5.7 |
| 55-3 | 10/7/2004 | 6.87 | 18.13 | 4.593 | 1.40 | -102.2 | 4.61 |
| 55-4 | 6/12/2002 | 7.10 | 14.51 | 4.5 | 0 | 105 | 33.8 |
| 55-4 | 3/21/2003 | 7.61 | 9.53 | 2.72 | 1.21 | 187 | 0 |
| 55-4 | 10/8/2004 | 7.03 | 18.66 | 3.324 | 1.14 | 140.2 | 0.57 |
| 55-5 | 6/12/2002 | 6.93 | 22.42 | 1.22 | 0 | -153 | 13.2 |
| 55-5 | 3/20/2003 | 7.29 | 13.96 | 1.02 | 0.35 | -79 | 0 |
| 55-5 | 10/4/2004 | 6.91 | 23.95 | 3.094 | 0.15 | -137.7 | 0.59 |
| 70-100 | 6/13/2002 | 7.04 | 14.1 | 4.93 | 0 | -125 | 0 |
| 70-100 | 3/27/2003 | 7.00 | 11.11 | 4.91 | 0.63 | -202 | 1 |
| 70-109 | 3/26/2003 | 7.07 | 6.89 | 6.24 | 0.57 | -115 | 14 |
| 70-160 | 6/17/2002 | 6.72 | 17.3 | 1.05 | 0.52 | -91 | 76.5 |
| 70-160 | 3/28/2003 | 6.86 | 10.59 | 1.031 | 0.28 | 179 | 9.5 |
| 70-163 | 6/20/2002 | 6.82 | 16.4 | 1.65 | 0 | -81 | 281 |
| 70-163 | 3/28/2003 | 6.60 | 8.67 | 2.18 | 0.96 | 176 | 0 |
| 70-165 | 6/22/2002 | 7.04 | 15.4 | 1.07 | 0 | -91 | 120 |
| 70-165 | 3/28/2003 | 6.79 | 8.54 | 1.342 | 0.27 | 196 | 3.3 |
| 70-165 | 10/7/2004 | 7.04 | 17.80 | 0.961 | 0.24 | -39.7 | 1.55 |
| 84-6 | 6/26/2002 | 6.55 | 16.8 | 1.91 | 0 | -37 | 277 |
| 84-6R2 | 9/15/2003 | 7.31 | 14.61 | 2.13 | 0.39 | 178 | 214 |
| 84-6R2 | 10/5/2004 | 7.11 | 15.38 | 1.659 | 1.45 | -65.1 | 6.71 |
| 84-6R2 | 6/9/2005 | 7.90 | 16.54 | 1.6 | 0.51 | -151.6 | 11.2 |
| 84-6R2-D | 7/29/2005 | 7.62 | 16.09 | 1.671 | 0.49 | -203.7 | 23.1 |
| 84-7 | 4/5/2005 | 7.21 | 13.44 | 1.322 | 0.84 | -5.9 | 8.62 |
| 84-7 | 6/8/2005 | 7.71 | 16.64 | 1.176 | 0.36 | -171.5* | 18.2 |
| 84-7D | 7/28/2005 | 7.91 | 17.18 | 1.689 | 0.71 | -211.3 | 34.9 |
| 86-100 | 6/18/2002 | 6.90 | 17.6 | 17 | 1.81 | -138 | 12.9 |
| 86-100 | 4/1/2003 | 6.63 | 13.17 | 19.5 | 0.83 | 201 | 8.5 |
| 86-100 | 10/7/2004 | 7.01 | 20.71 | 21.36 | 0.75 | -151.1 | 6.83 |
| 86-3 | 12/19/2002 | 7.06 | 15.3 | 8.2 | 4.32 | 34 | >999 |
| 87-FP2 | 6/19/2002 | 6.61 | 15.5 | 14.2 | 0 | -84 | 55.1 |
| 87-FP3 | 6/18/2002 | 6.81 | 18.5 | 7.32 | 0.21 | -114 | 2.5 |
| 87-FP3 | 4/4/2003 | 6.67 | 9.06 | 5.06 | 0.42 | -94 | 34 |
| 87-FP4 | 10/6/2004 | 7.17 | 18.51 | 1.696 | 3.50 | 23.5 | 2.55 |
| 87-FP5 | 6/19/2002 | 6.46 | 21.1 | 3.01 | 0.25 | -117 | 165 |
| 87-FP5 | 4/3/2003 | 6.64 | 9.34 | 0.874 | 4.31 | -37 | 46 |
| 88-7 | 6/14/2002 | 6.86 | 14.7 | 13.7 | 0.44 | -80 | 1.8 |
| 88-8 | 6/13/2002 | 7.20 | 15.9 | 0.583 | 0.56 | -133 | 0 |
| 88-8 | 4/1/2003 | 6.80 | 11.93 | 2 | 1.01 | 107 | 35 |
| 88-9 | 6/14/2002 | 6.95 | 15.1 | 2.34 | 0.48 | -134 | 93.7 |
| 88-9 | 4/1/2003 | 6.84 | 13.22 | 1.416 | 0.75 | 121 | 37.7 |

See Notes on Page 9.

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| ACSP-B2AR | 12/13/2002 | 6.91 | 9.74 | 4.77 | 0.93 | -31 | 56.3 |
| BD01-02R | 12/13/2002 | 7.37 | 12.7 | 3.81 | 5.45 | 132 | 20.2 |
| BD01-02R | 4/3/2003 | 6.90 | 10.8 | 2.71 | 3.65 | 189 | 12 |
| BD01-02R | 10/5/2004 | 7.78 | 14.31 | 1.345 | 5.52 | 69.4 | 8.22 |
| BD01-04 | 4/24/2003 | 6.67 | 18.13 | 3.41 | 5.19 | -154 | 8.9 |
| GM-1 | 10/6/2004 | 7.63 | 16.28 | 1.066 | 0.39 | -275.3 | 6.54 |
| GM-11 | 10/6/2004 | 7.54 | 14.55 | 0.473 | 0.49 | -238.6 | 3.77 |
| MW-21 | 3/20/2003 | 9.71 | 13.7 | 2.82 | 2.35 | 166 | 17.9 |
| MW-22 | 6/25/2002 | 7.55 | 16 | 3.13 | 2.62 | 49 | 35.7 |
| MW-22 | 3/20/2003 | 7.39 | 10.25 | 3.25 | 1.8 | 353 | 2.9 |
| MW-23 | 6/25/2002 | 6.94 | 23 | 110 | 0.31 | -90 | 0 |
| MW-23 | 3/20/2003 | 6.99 | 12.31 | 1.356 | 1.48 | 296 | 4.1 |
| MW-23 | 10/4/2004 | 7.16 | 18.16 | 1.623 | 7.0 | 10.9 | 8.7 |
| MW-24 | 6/26/2002 | 6.00 | 18.78 | 0.572 | 7.11 | 71 | 37.2 |
| MW-24 | 3/20/2003 | 6.99 | 9.81 | 0.641 | 1.3 | 293 | 9.9 |
| MW-25 | 6/26/2002 | 6.76 | 14.5 | 0.855 | 0 | -103 | 301 |
| MW-25 | 3/21/2003 | 8.20 | 18.18 | 0.728 | 4.2 | 43 | 15.73 |
| MW-25 | 10/5/2004 | 7.10 | 8.98 | 1.001 | 5.26 | 258.9 | 206 |
| MW-25 | 2/25/2005 | 7.35 | 6.57 | 0.522 | 2.54 | 194 | 3.23 |
| MW-26 | 6/26/2002 | 5.96 | 19.7 | 0.445 | 12.17 | -151 | 0.2 |
| MW-26 | 3/24/2003 | 6.87 | 12.51 | 0.572 | 5.58 | 188 | 0 |
| MW-26 | 10/5/2004 | 7.11 | 7.62 | 0.734 | 3.30 | -121.7 | 272 |
| MW-26 | 2/28/2005 | 6.16 | 3.79 | 0.628 | 3.7 | 139.1* | 22.8 |
| RFI-02-05 | 12/16/2002 | 7.21 | 6.18 | 2.6 | 9.81 | 12 | 0 |
| RFI-02-07 | 6/27/2002 | 6.69 | 15.9 | 1.56 | 0 | 12 | 262 |
| RFI-02-07 | 3/27/2003 | 6.76 | 6.67 | 5.86 | 0.49 | 175 | 0 |
| RFI-02-08R | 6/25/2002 | 6.93 | 17.8 | 1.66 | 0.77 | -78 | 15.1 |
| RFI-02-08R | 4/5/2005 | 7.34 | 9.14 | 0.471 | 8.26 | 68.1 | 7.31 |
| RFI-02-12 | 3/26/2003 | 7.24 | 8.73 | 0.642 | 2.03 | 116 | 1.3 |
| RFI-02-12 | 10/5/2004 | 6.97 | 17.48 | 1.105 | 2.98 | -193.6 | 2.61 |
| RFI-02-12 | 2/24/2005 | 6.72 | 8.15 | 1.140 | 0.49 | 253.1 | 4.68 |
| RFI-02-13 | 12/19/2002 | 7.29 | 11.6 | 0.809 | 0.52 | 118 | 36.1 |
| RFI-02-13 | 10/7/2004 | 6.90 | 21.63 | 0.761 | 1.31 | -14.8 | 8.45 |
| RFI-02-19 | 4/8/2005 | 7.22 | 9.98 | 0.731 | 1.81 | 212.1 | 6.33 |
| RFI-02-20 | 4/5/2005 | 7.27 | 8.32 | 0.941 | 1.85 | -15.5 | 20.2 |
| RFI-02-21 | 4/5/2005 | 7.03 | 9.11 | 1.345 | 1.22 | -88.8 | 21.2 |
| RFI-02-22 | 4/5/2005 | 8.45 | 11.23 | 8.329 | 1.78 | 74.8 | 14.1 |
| RFI-02-24 | 4/5/2005 | 8.15 | 9.38 | 0.381 | 1.28 | 71.2 | 8.97 |
| RFI-03-02 | 6/13/2002 | 7.56 | 16.2 | 3.78 | 3.23 | -101 | 5 |
| RFI-03-04 | 6/13/2002 | 7.56 | 14.5 | 3.93 | 0 | -215 | 23.8 |
| RFI-05-01 | 6/20/2002 | 6.66 | 17.35 | 2.8 | 3.78 | -143 | 1.9 |
| RFI-05-01 | 3/31/2003 | 6.92 | 4.27 | 1.91 | 1 | 158 | 18.6 |
| RFI-05-02 | 4/3/2003 | 6.78 | 24.91 | 5.04 | 0.21 | -64 | 2.8 |
| RFI-05-04 | 6/21/2002 | 7.98 | 23.5 | 2.26 | 0.75 | -3 | 39.4 |
| RFI-05-05 | 6/21/2002 | 9.13 | 22.8 | 1.83 | 0.49 | -111 | 38 |
| RFI-05-05 | 4/3/2003 | 6.99 | 22.81 | 1.82 | 0.26 | -96 | 0 |
| RFI-05-06 | 6/20/2002 | 6.52 | 19.96 | 10.5 | 4.45 | -128 | 47.9 |
| RFI-05-08R | 6/12/2002 | 6.60 | 14.4 | 2.84 | 1.04 | -65 | 306 |
| RFI-05-08R | 3/27/2003 | 6.84 | 14.39 | 3.02 | 0.99 | 101 | 20.9 |
| RFI-05-10 | 4/2/2003 | 6.87 | 24.79 | 5.13 | 0.38 | 134 | 0 |
| RFI-05-10 | 10/12/2004 | 7.07 | 22.67 | 3.801 | 0.98 | -197.2 | 7.37 |
| RFI-05-12 | 6/14/2002 | 6.68 | 23.3 | 4.49 | 0.42 | -110 | 0 |
| RFI-05-19DR | 12/18/2002 | 7.08 | 14.8 | 8.26 | 0 | -170 | 288 |
| RFI-05-19S | 6/12/2002 | 7.01 | 16.4 | 4.07 | 2.29 | 26 | 20.3 |
| RFI-05-19S | 3/28/2003 | 7.08 | 11.24 | 3.76 | 0.5 | 180 | 0 |
| RFI-05-20 | 6/12/2002 | 6.86 | 15.7 | 4.49 | 1.08 | 50 | 114 |
| RFI-05-20 | 4/3/2003 | 7.10 | 8.2 | 1.69 | 2.63 | 51 | 44.5 |
| RFI-05-21 | 3/27/2003 | 7.32 | 9.91 | 3.48 | 0.22 | -125 | 5.2 |
| RFI-05-30 | 6/12/2002 | 7.10 | 15.2 | 9.8 | 1.26 | -155 | 48.9 |
| RFI-05-30 | 10/4/2004 | 6.90 | 18.89 | 14.29 | 0.35 | -109.5 | 9.03 |

See Notes on Page 9.

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| RFI-07-01R | 9/15/2003 | 7.09 | 17.13 | 5.36 | 1.23 | 201 | 22.7 |
| RFI-07-08 | 6/20/2002 | 6.89 | 17.2 | 1.98 | 1.56 | 46 | 211 |
| RFI-07-08 | 10/6/2004 | 6.57 | 15.87 | 2.044 | 2.21 | 29.8 | 2.11 |
| RFI-09-01 | 6/24/2002 | 7.07 | 17.2 | 2.54 | 0 | -117 | 665 |
| RFI-09-01 | 3/24/2003 | 7.33 | 10.69 | 8.85 | 1.49 | 293 | 33.5 |
| RFI-09-04R | 6/24/2002 | 6.72 | 19.4 | 2.56 | 6.42 | 156 | 167 |
| RFI-09-04R | 3/24/2003 | 6.72 | 13.06 | 4.2 | 1.35 | 253 | 3.8 |
| RFI-09-04R | 10/5/2004 | 7.05 | 15.89 | 1.738 | 1.79 | 68.9 | 1.64 |
| RFI-09-04R | 6/8/2005 | 8.82 | 17.36 | 1.56 | 2.5 | 38 | 0.53 |
| RFI-09-06 | 6/21/2002 | 5.92 | 17.59 | 2.97 | 3.9 | -174 | 0 |
| RFI-09-07 | 6/21/2002 | 7.10 | 15.8 | 5.62 | 2.46 | -114 | 95.6 |
| RFI-09-07 | 10/5/2004 | 7.47 | 18.68 | 6.261 | 0.09 | -334.3 | 9.47 |
| RFI-09-08 | 6/21/2002 | 5.98 | 17.23 | 1.84 | 5.78 | -140 | 24.8 |
| RFI-09-08 | 3/21/2003 | 9.12 | 12.11 | 3.31 | 2.08 | 37 | 206 |
| RFI-09-08D | 4/7/2005 | 7.55 | 10.04 | 6.645 | 8.56 | -80.9 | 9.67 |
| RFI-09-09 | 6/21/2002 | 7.20 | 19.2 | 4.55 | 0 | -127 | 357 |
| RFI-09-09 | 3/21/2003 | 7.43 | 10.54 | 2.38 | 1.69 | 101 | 14.2 |
| RFI-09-09D | 4/7/2005 | 7.29 | 10.21 | 4.935 | 0.30 | -94.4 | 4.72 |
| RFI-09-10 | 6/21/2002 | 6.03 | 18.82 | 1.67 | 4.24 | -24 | 12.7 |
| RFI-09-11 | 6/21/2002 | 10.11 | 13.9 | 7.28 | 0.94 | -168 | 48.2 |
| RFI-09-11 | 3/21/2003 | 7.80 | 9.79 | 7.62 | 0.52 | -76 | 23.3 |
| RFI-09-11D | 4/7/2005 | 6.98 | 9.92 | 8.383 | 1.16 | 13.1 | 23.2 |
| RFI-09-12 | 6/21/2002 | 6.96 | 15.9 | 1.42 | 0 | -136 | 87.5 |
| RFI-09-12 | 3/21/2003 | 7.03 | 8.12 | 1.28 | 1.19 | 32 | 6.3 |
| RFI-09-13 | 6/26/2002 | 6.53 | 14.2 | 5.54 | 0 | -113 | 506 |
| RFI-09-13 | 3/26/2003 | 6.87 | 10.08 | 6.17 | 0.43 | -124 | 6 |
| RFI-09-13 | 10/4/2004 | 6.98 | 14.83 | 4.792 | 0.34 | -114.3 | 5.78 |
| RFI-09-14 | 6/26/2002 | 9.72 | 16.6 | 0.614 | 1.62 | -98 | 46.7 |
| RFI-09-14 | 3/31/2003 | 3.09 | 7.69 | 3.42 | 1.46 | 360 | 39.5 |
| RFI-09-14 | 10/4/2004 | 6.80 | 15.83 | 0.766 | 6.0 | -8.2 | 7.13 |
| RFI-09-32 | 6/26/2002 | 6.91 | 13.4 | 79.2 | 0.85 | -135 | 19.6 |
| RFI-09-32 | 3/31/2003 | 7.15 | 8.43 | 0.791 | 0.89 | 134 | 0 |
| RFI-09-36R | 3/24/2003 | 7.35 | 11.96 | 2.4 | 1.68 | -75 | 0 |
| RFI-09-44 | 3/21/2003 | 7.16 | 9.18 | 2.44 | 0.75 | 140 | 7.6 |
| RFI-09-44 | 10/5/2004 | 7.19 | 20.53 | 1.757 | 0.45 | 26.2 | 1.96 |
| RFI-09-45 | 12/20/2002 | 7.23 | 12.16 | 3.94 | 6.28 | 71 | 3.7 |
| RFI-09-46 | 12/19/2002 | 7.01 | 13.3 | 7.32 | 0.92 | -135 | 386 |
| RFI-09-46 | 4/1/2003 | 6.88 | 10.7 | 7.11 | 0.59 | 33 | 1.4 |
| RFI-09-46 | 10/5/2004 | 7.12 | 14.99 | 5.065 | 0.49 | -93.3 | 7.35 |
| RFI-09-48 | 4/24/2003 | 6.75 | 13.82 | 5.68 | 0.44 | -254 | 12.6 |
| RFI-09-48 | 10/6/2004 | 7.00 | 14.35 | 5.231 | 0.56 | -86.1 | 5.32 |
| RFI-09-48 | 2/24/2005 | 6.80 | 11.82 | 4.875 | 0.31 | 191.1 | 4.15 |
| RFI-09-49R | 4/3/2003 | 6.79 | 8.35 | 4.37 | 1.99 | 166 | 24.5 |
| RFI-09-49R | 10/5/2004 | 6.95 | 15.98 | 2.151 | 1.47 | 127.0 | 7.42 |
| RFI-09-52 | 9/15/2003 | 7.13 | 19.4 | 8.03 | 0.4 | 196 | 8 |
| RFI-09-53 | 4/7/2005 | 10.03 | 9.41 | 1.627 | 1.10 | 14.8 | 1.52 |
| RFI-09-53 | 6/8/2005 | 8.01 | 15.74 | 1.218 | 6.83 | 139.4 | 1.71 |
| RFI-09-54D | 4/8/2005 | 6.68 | 11.17 | 5.668 | 1.75 | 18.7 | 3.90 |
| RFI-09-54S | 4/7/2005 | 7.18 | 9.09 | 3.998 | 1.22 | -6.6 | 4.63 |
| RFI-09-55D | 4/8/2005 | 7.15 | 11.06 | 6.336 | 0.28 | -113.0 | 6.20 |
| RFI-09-55S | 4/8/2005 | 7.29 | 10.01 | 1.766 | 0.19 | -3.3 | 203 |
| RFI-09-56 | 7/6/2005 | 11.99 | 17.37 | 1.681 | 0.04 | -334.2 | 2.46 |
| RFI-09-57 | 7/6/2005 | 7.63 | 15.9 | 1.852 | 3.96 | -4.1 | 1.76 |
| RFI-09-58 | 7/22/2005 | 7.25 | 17.33 | 1.355 | 2.72 | 31.3 | 1.77 |
| RFI-10-01 | 6/18/2002 | 6.10 | 16.72 | 13.9 | 9.89 | -154 | 32.5 |
| RFI-10-01 | 3/26/2003 | 8.19 | 10.61 | 4.01 | 0.55 | -164 | 13.6 |
| RFI-10-02 | 6/18/2002 | 5.84 | 15.96 | 10.7 | 9.9 | -172 | 0.7 |
| RFI-10-02 | 3/27/2003 | 7.13 | 9.66 | 7.84 | 1.32 | -90 | 29.3 |
| RFI-10-03 | 6/19/2002 | 5.91 | 14.93 | 13.6 | 4.35 | 75 | 31.3 |
| RFI-10-03 | 3/25/2003 | 6.43 | 12.32 | 22.4 | 1.36 | 200 | 5.8 |

See Notes on Page 9.

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| RFI-10-04 | 6/21/2002 | 5.95 | 14.73 | 16.4 | 5.65 | 315 | 0 |
| RFI-10-04 | 3/26/2003 | 6.23 | 8.63 | 13.99 | 2.08 | 212 | 0 |
| RFI-10-05 | 6/25/2002 | 6.25 | 12 | 1.87 | 2.35 | 218 | 157 |
| RFI-10-05 | 3/26/2003 | 7.01 | 8.27 | 5.31 | 0.78 | 252 | 7.9 |
| RFI-10-06 | 6/19/2002 | 6.95 | 14.49 | 17.5 | 0 | 108 | 5.9 |
| RFI-10-06 | 3/26/2003 | 6.95 | 8.84 | 1.58 | 0.67 | 166 | 7.7 |
| RFI-10-07 | 3/26/2003 | 7.26 | 10.36 | 0.984 | 1.71 | 164 | 6 |
| RFI-10-08 | 6/19/2002 | 5.97 | 16.2 | 0.446 | 5.46 | 67 | 42 |
| RFI-10-11 | 6/21/2002 | 6.87 | 14.36 | 1.85 | 5.06 | 283 | 1.6 |
| RFI-10-11 | 3/26/2003 | 7.78 | 7.34 | 3.12 | 3.19 | 106 | 9.4 |
| RFI-10-11 | 10/8/2004 | 7.28 | 16.60 | 6.185 | 6.08 | 140.9 | 4.99 |
| RFI-10-12 | 12/18/2002 | 7.16 | 13.3 | 4.29 | 0 | -160 | 298 |
| RFI-10-15 | 10/6/2004 | 7.47 | 14.11 | 0.589 | 1.50 | 35.6 | 3.30 |
| RFI-10-24 | 6/25/2002 | 6.46 | 13.7 | 0.94 | 0.07 | 177 | 211 |
| RFI-10-24 | 3/26/2003 | 6.87 | 8.99 | 0.874 | 1.49 | 231 | 7.9 |
| RFI-10-24 | 10/6/2004 | 7.02 | 14.66 | 0.743 | 1.70 | -152.2 | 9.00 |
| RFI-10-25 | 3/26/2003 | 6.65 | 9.26 | 1.119 | 1.5 | 236 | 8.9 |
| RFI-10-25 | 10/6/2004 | 11.48 | 14.08 | 0.865 | 1.20 | -145.7 | 9.79 |
| RFI-10-26 | 6/20/2002 | 6.67 | 15.7 | 2.23 | 8.38 | 95 | 48.4 |
| RFI-10-26 | 3/27/2003 | 7.04 | 9.5 | 4.23 | 3.9 | 220 | 5.7 |
| RFI-10-28 | 12/12/2002 | 6.10 | 7.91 | 0 | 13.86 | 281 | 154 |
| RFI-10-28 | 10/6/2004 | 7.49 | 15.98 | 0.480 | 2.50 | -87.9 | 3.15 |
| RFI-10-29 | 6/30/2005 | 6.91 | 12.77 | 0.665 | 0.58 | -28 | 1.64 |
| RFI-10-30 | 4/24/2003 | 7.22 | 11.45 | 1.86 | 3.34 | -156 | 1.6 |
| RFI-10-30 | 10/7/2004 | 7.03 | 19.53 | 8.593 | 0.84 | 38.3 | 7.86 |
| RFI-10-31 | 4/24/2003 | 7.17 | 8.04 | 0.639 | 3.12 | -92 | 32.1 |
| RFI-10-31 | 10/7/2004 | 7.36 | 17.64 | 0.420 | 1.58 | -17.5 | 9.25 |
| RFI-10-32 | 4/4/2005 | 7.20 | 10.61 | 4.441 | 1.4 | 33.5 | 3.00 |
| RFI-10-32 | 6/9/2005 | 7.83 | 12.52 | 3.298 | 0.84 | -114.1 | 4.46 |
| RFI-10-33 | 6/29/2005 | 7.44 | 16.71 | 1.078 | 4.31 | -8.2 | 4.21 |
| RFI-10-34 | 6/29/2005 | 7.03 | 15.25 | 0.894 | 2.55 | 41.2 | 3.59 |
| RFI-10-35 | 6/29/2005 | 7.15 | 15.59 | 1.124 | 5.17 | 34.8 | 3.70 |
| RFI-10-36 | 6/29/2005 | 6.87 | 14.66 | 0.739 | 1.97 | 63.2 | 1.82 |
| RFI-12-11S | 6/25/2002 | 6.93 | 17.2 | 1.81 | 0.93 | 92 | 14 |
| RFI-12-11S | 12/16/2002 | 7.29 | 8.4 | 1.99 | 0.8 | -105 | 0 |
| RFI-12-15 | 12/16/2002 | 12.43 | 7.3 | 3.48 | 3.56 | -192 | 202 |
| RFI-12-24 | 4/4/2003 | 7.39 | 5.93 | 1.369 | 1.69 | 189 | 9.5 |
| RFI-12-24 | 4/23/2003 | 7.40 | 9.22 | 1.318 | 0.49 | -215 | 0.5 |
| RFI-12-24 | 4/6/2005 | 7.66 | 10.78 | 1.410 | 1.25 | 15.1 | 6.82 |
| RFI-12-25 | 4/23/2003 | 7.47 | 10.86 | 4.5 | 1.9 | -237 | 0.1 |
| RFI-12-32 | 10/4/2004 | 7.15 | 17.61 | 1.168 | 0.21 | 29.7 | 1.05 |
| RFI-12-33 | 4/7/2005 | 7.11 | 7.75 | 1.469 | 1.98 | -47.6 | 5.71 |
| RFI-12-35 | 9/17/2003 | 7.32 | 21.17 | 1.78 | 0.22 | 52 | 2000 |
| RFI-12-35 | 10/14/2003 | 7.18 | 15.12 | 1.651 | 0.59 | 76.2 | 22 |
| RFI-16-04 | 6/25/2002 | 5.67 | 15.89 | 4.85 | 5.54 | -251 | 5.8 |
| RFI-16-11 | 6/26/2002 | 6.77 | 16.3 | 0.831 | 0 | -160 | 235 |
| RFI-16-11 | 3/26/2003 | 7.00 | 9.54 | 5.74 | 1.29 | -66 | 17.6 |
| RFI-16-12 | 6/24/2002 | 9.17 | 18.5 | 2.3 | 9.24 | -100 | 30.2 |
| RFI-16-20 | 4/9/2002 | 8.30 | 8.2 | 5.59 | 8.99 | 111 | 59 |
| RFI-16-24 | 4/3/2003 | 7.38 | 8.36 | 0.541 | 1.3 | -45 | 5.9 |
| RFI-16-25 | 4/3/2003 | 7.21 | 9.44 | 1.479 | 0.76 | -76 | 3.6 |
| RFI-17-02 | 6/25/2002 | 5.80 | 19.64 | 2.34 | 6.83 | 69 | 121 |
| RFI-17-02 | 4/2/2003 | 6.82 | 9.07 | 2.53 | 1.39 | 261 | 19.9 |
| RFI-17-02 | 10/5/2004 | 8.64 | 17.39 | 1.912 | 1.26 | -74.2 | 7.62 |
| RFI-17-02 | 6/9/2005 | 7.71 | 16.22 | 1.935 | 0.8 | -111 | 10.7 |
| RFI-17-02D | 7/29/2005 | 7.21 | 16.73 | 2.173 | 0.73 | -111.3 | 210 |
| RFI-21-04 | 6/13/2002 | 6.83 | 15.2 | 2.08 | 0.48 | 12 | 22 |
| RFI-21-04 | 10/7/2004 | 6.77 | 20.05 | 20.36 | 0.14 | -10.5 | 9.43 |
| RFI-21-04 | 7/6/2005 | 6.84 | 14.45 | 36.31 | 4.28 | 6.8 | 5.75 |

See Notes on Page 9.

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| RFI-23-01R | 10/4/2004 | 7.17 | 18.96 | 1.839 | 1.14 | 44.9 | 8.31 |
| RFI-23-01R | 4/6/2005 | 8.04 | 9.16 | 0.756 | 3.22 | 27.9 | 5.62 |
| RFI-23-02R | 10/4/2004 | 7.32 | 18.20 | 2.245 | 0.90 | -36.3 | 7.41 |
| RFI-23-02R | 4/6/2005 | 7.07 | 8.75 | 2.095 | 2.48 | 52.5 | 9.12 |
| RFI-36-02 | 6/13/2002 | 6.76 | 16.51 | 3.07 | 0 | -128 | 22.1 |
| RFI-36-02 | 3/25/2003 | 7.07 | 14.07 | 1.74 | 0.44 | 128 | 7.5 |
| RFI-36-02 | 10/13/2004 | 7.06 | 17.45 | 1.502 | 0.56 | -72.9 | 8.76 |
| RFI-36-03 | 6/18/2002 | 6.42 | 12.75 | 6.75 | 0 | 195 | 0 |
| RFI-36-03 | 3/25/2003 | 7.32 | 11.61 | 6.62 | 2.74 | 46 | 9 |
| RFI-36-03 | 6/9/2005 | 8.10 | 15.05 | 2.786 | 3.76 | -69.1 | 2.13 |
| RFI-36-04 | 6/18/2002 | 6.52 | 24.07 | 2.9 | 0 | -174 | 0 |
| RFI-36-04 | 4/2/2003 | 6.95 | 23.88 | 2.83 | 0.26 | -105 | 0 |
| RFI-36-05 | 12/16/2002 | 6.93 | 21.8 | 1.93 | 2.08 | 28 | 0 |
| RFI-36-05 | 4/2/2003 | 6.59 | 22.06 | 1.63 | 1.33 | 206 | 8.2 |
| RFI-36-05 | 6/10/2005 | 6.41 | 21.85 | 1.666 | 0.57 | -99.1 | 3.16* |
| RFI-36-08 | 6/14/2002 | 6.45 | 16.3 | 8.49 | 0 | -169 | 9.8 |
| RFI-36-08 | 3/25/2003 | 6.96 | 13.2 | 3.15 | 1.35 | -65 | 2.3 |
| RFI-36-08 | 10/8/2004 | 6.84 | 21.38 | 17.42 | 0.63 | -180.3 | 2.36 |
| RFI-36-09 | 6/14/2002 | 6.47 | 14.84 | 14.6 | 0.42 | 80 | 200 |
| RFI-36-09 | 3/25/2003 | 6.86 | 12.74 | 13.31 | 2.86 | 17.5 | 0.7 |
| RFI-36-10 | 3/27/2003 | 7.19 | 12.94 | 7.2 | 1.28 | -165 | 0 |
| RFI-36-13 | 6/24/2002 | 6.51 | 18 | 9.5 | 0 | -55 | 302 |
| RFI-36-14 | 6/17/2002 | 6.78 | 14.32 | 5.32 | 0 | 115 | 0 |
| RFI-36-14 | 3/25/2003 | 6.91 | 10.89 | 1.156 | 0.86 | 23 | 8 |
| RFI-36-14 | 10/11/2004 | 6.96 | 18.12 | 9.201 | 0.57 | -25.4 | 4.90 |
| RFI-36-17 | 10/7/2004 | 8.27 | 13.97 | 1.883 | 5.64 | -13.4 | 1.17 |
| RFI-36-17 | 2/28/2005 | NA | 8.96 | 4.348 | 1 | -372.1 | 1.57 |
| RFI-36-17 | 6/10/2005 | 5.91 | 12.6 | 1.555 | 64.8 | 94.2 | 0.6 |
| RFI-36-18 | 10/7/2004 | 6.03 | 12.24 | 1.368 | 5.81 | 11.6 | 1.91 |
| RFI-36-18 | 6/8/2005 | 6.90 | 13.44 | 1.929 | 2.25 | -17.2 | 0.48 |
| RFI-36-19 | 10/6/2004 | 6.93 | 15.69 | 1.011 | 5.50 | 41.7 | 2.38 |
| RFI-36-20 | 6/22/2002 | 6.74 | 15.6 | 1.08 | 10.13 | 282 | 110 |
| RFI-36-20 | 10/6/2004 | 6.53 | 15.15 | 1.668 | 6.32 | 60.9 | 3.14 |
| RFI-36-23 | 6/19/2002 | 6.89 | 24.21 | 0.778 | 0 | -186 | 0 |
| RFI-36-24 | 6/19/2002 | 6.70 | 23.24 | 1.46 | 0.92 | -90 | 0 |
| RFI-36-25R | 6/19/2002 | 6.67 | 22.62 | 7.98 | 0 | -101 | 8.5 |
| RFI-36-29R | 6/20/2002 | 6.36 | 23.86 | 1.53 | 1.7 | -98 | 11.6 |
| RFI-36-29R | 4/3/2003 | 6.64 | 15.94 | 1.6 | NA | 191 | 210 |
| RFI-36-32 | 12/19/2002 | 6.68 | 24.91 | 2.93 | 2.19 | -11 | 3.7 |
| RFI-36-32 | 4/2/2003 | 6.37 | 24.09 | 2.74 | 0.31 | -26 | 0 |
| RFI-36-35 | 6/18/2002 | 6.41 | 15.46 | 4.41 | 0 | -121 | 140 |
| RFI-36-37 | 6/22/2002 | 6.94 | 15.9 | 1.66 | 4.97 | -2 | 141 |
| RFI-36-37 | 6/10/2005 | NA | 15.47 | 1.314 | 5.59 | -48.5 | 1.55 |
| RFI-36-44 | 6/20/2002 | 8.10 | 15 | 2.65 | 3.63 | 9 | 14 |
| RFI-36-44 | 3/25/2003 | 7.02 | 9.97 | 3.17 | 2.04 | 99 | 4.7 |
| RFI-36-44 | 10/7/2004 | 7.06 | 16.76 | 1.331 | 1.28 | -15.7 | 3.92 |
| RFI-36-44 | 6/8/2005 | 8.26 | 16.35 | 0.758 | 4.3 | NA | 12.3 |
| RFI-36-45 | 6/20/2002 | 6.20 | 12.29 | 2.05 | 0 | 255 | 0 |
| RFI-36-45 | 3/25/2003 | 6.97 | 10.37 | 2.33 | 0.9 | 60 | 5.6 |
| RFI-36-45 | 6/10/2005 | NA | 13.64 | 0.783 | 1.81 | -25.3 | 1.17 |
| RFI-36-46 | 6/17/2002 | 6.56 | 13.1 | 3 | 0 | 288 | 0 |
| RFI-36-46 | 3/25/2003 | 7.07 | 10.8 | 4.41 | 0.48 | -146 | 0 |
| RFI-36-46 | 10/11/2004 | 7.21 | 15.54 | 3.470 | 0.76 | -11.0 | 7.45 |
| RFI-36-46 | 6/9/2005 | 7.19 | 13.95 | 3.063 | 2.49 | 7.1 | 0.92 |
| RFI-36-47 | 12/13/2002 | 7.12 | 11.8 | 2.47 | 1.68 | 74 | 0 |
| RFI-36-47 | 3/25/2003 | 6.89 | 12.62 | 1.97 | 1.84 | 87 | 9.9 |
| RFI-36-47 | 6/10/2005 | 8.36 | 12.18 | 2.24 | 6.7 | -304.7 | 1.02 |
| RFI-36-48 | 12/13/2002 | 7.03 | 9.37 | 5.11 | 0.45 | 58 | 15.2 |
| RFI-36-48 | 2/28/2005 | 7.16 | 8.52 | 2.391 | 2.42 | -36.9 | 4.95 |
| RFI-36-48 | 6/10/2005 | 3.63 | 12.01 | 1.65 | 9.73 | 518 | 2.17 |

See Notes on Page 9.

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| RFI-36-51 | 4/28/2003 | 6.86 | 12.03 | 1.97 | 3.94 | -173 | 9.8 |
| RFI-36-51 | 6/10/2005 | 7.01 | 15.74 | 1.934 | 3.49 | 13.8 | 4.43 |
| RFI-36-53 | 4/4/2005 | 6.84 | 11.67 | 3.507 | 1.69 | -32.2 | 2.08 |
| RFI-36-53 | 6/10/2005 | NA | 13.05 | 2.386 | 0.67 | -106.1 | 3.78 |
| RFI-36-55 | 7/6/2005 | 6.73 | 11.32 | 1.971 | 0.35 | -74.3 | 2.26 |
| RFI-36-56 | 7/21/2005 | NA | 13.98 | 1.222 | 2.46 | 161.7 | 3.86 |
| RFI-38-04 | 6/13/2002 | 6.78 | 18.14 | 4.05 | 1.6 | 111 | 115 |
| RFI-38-04 | 3/25/2003 | 7.14 | 14.19 | 1.017 | 0.86 | 225 | 9.8 |
| RFI-38-06 | 6/13/2002 | 6.61 | 14.03 | 2.84 | 0 | -26 | 40.1 |
| RFI-38-06 | 3/25/2003 | 6.87 | 11.46 | 1.96 | 0.3 | 260 | 8.4 |
| RFI-38-06 | 10/13/2004 | 6.79 | 15.01 | 3.442 | 0.40 | -41.4 | 8.80 |
| RFI-40-03 | 6/24/2002 | 7.24 | 19.3 | 1.62 | 2.29 | -2 | 40.7 |
| RFI-40-03 | 3/27/2003 | 6.96 | 7.66 | 1.173 | 0.84 | 114 | 3.2 |
| RFI-40-04 | 12/18/2002 | 7.54 | 14 | 2.41 | 0.73 | -123 | 74.8 |
| RFI-40-07 | 6/24/2002 | 7.09 | 17.9 | 5.74 | 0 | 19 | 540 |
| RFI-40-09 | 6/24/2002 | 6.75 | 16.5 | 2.26 | 0 | -149 | 359 |
| RFI-40-09 | 3/26/2003 | 7.05 | 12.41 | 1.54 | 0.61 | -103 | 45.2 |
| RFI-40-10 | 6/24/2002 | 7.51 | 12.8 | 80.2 | 6.4 | 61 | 437 |
| RFI-40-10R | 4/23/2003 | 7.20 | 9.8 | 1.466 | 2.16 | -165 | 29.4 |
| RFI-40-11 | 4/3/2003 | 7.24 | 6.45 | 0.701 | 4.4 | 6 | 42 |
| RFI-40-13 | 9/16/2003 | 7.18 | 16.89 | 1.325 | 0.41 | 219 | 57.9 |
| RFI-40-13 | 10/13/2003 | 6.99 | 17.64 | 1.253 | 1.17 | 119.3 | 6.45 |
| RFI-40-14R | 4/22/2003 | 7.04 | 7.61 | 1.16 | 0.48 | -224 | 29.3 |
| RFI-40-15 | 4/22/2003 | 7.05 | 11.02 | 2.17 | 0.85 | -203 | 15 |
| RFI-44-04 | 12/20/2002 | 7.08 | 4.62 | 4.34 | 0 | 91 | 30 |
| RFI-44-04 | 4/3/2003 | 6.63 | 5.72 | 2.91 | 0.66 | 5 | 7.6 |
| RFI-44-05 | 12/20/2002 | 9.48 | 1.16 | 11.8 | 9.62 | 10 | 78.3 |
| RFI-44-05 | 3/24/2003 | 17.28 | 11.79 | 1.921 | 0.61 | -113 | 8 |
| RFI-44-05 | 10/5/2004 | 8.69 | 14.10 | 2.583 | 1.36 | -61.0 | 4.82 |
| RFI-44-06R | 4/1/2003 | 7.59 | 8.14 | 2.79 | 4.82 | 208 | 9.5 |
| RFI-55-01 | 6/12/2002 | 7.01 | 15 | 0.349 | 1.01 | -9 | 10.7 |
| RFI-55-01 | 3/26/2003 | 6.81 | 8.38 | 2.64 | 0.63 | 32 | 1 |
| RFI-55-02 | 6/17/2002 | 5.69 | 15.77 | 7.22 | 10.22 | 180 | 103 |
| RFI-55-02 | 3/25/2003 | 6.83 | 10.79 | 7.89 | 0.74 | -39 | 8 |
| RFI-55-02 | 10/8/2004 | 6.66 | 18.22 | 7.316 | 1.31 | 119.4 | 2.43 |
| RFI-55-09 | 6/18/2002 | 5.69 | 13.81 | 0.879 | 19.99 | 84 | 0 |
| RFI-55-09 | 3/26/2003 | 6.81 | 10.37 | 1.97 | 2.49 | 30 | 4 |
| RFI-55-10 | 6/17/2002 | 5.69 | 15.65 | 14.6 | 11.69 | -39 | 33 |
| RFI-55-11 | 9/26/2003 | 7.12 | 18.7 | 2.55 | 0.64 | 184 | 411 |
| RFI-55-11 | 10/7/2004 | 7.02 | 19.61 | 2.010 | 1.53 | 147.9 | 3.34 |
| RFI-55-12 | 9/26/2003 | 6.78 | 19.25 | 4.2 | 0 | 39 | 0 |
| RFI-55-12 | 10/8/2004 | 6.88 | 19.43 | 0.676 | 1.70 | -56.5 | 4.12 |
| RFI-65-01 | 6/13/2002 | 7.05 | 16.2 | 0.628 | 1.19 | 78 | 7.1 |
| RFI-65-01 | 4/1/2003 | 6.57 | 7.55 | 6.65 | 2.61 | 176 | 8.9 |
| RFI-81-02 | 6/20/2002 | 6.85 | 23.9 | 9 | 0.37 | -159 | 75.7 |
| RFI-81-02 | 4/2/2003 | 7.59 | 23.7 | 7.46 | 0.89 | NA | 0 |
| RFI-81-03 | 3/27/2003 | 7.31 | 12.66 | 1.251 | 4.55 | 208 | 8.6 |
| RFI-81-03 | 2/28/2005 | 7.67 | 12.67 | 1.015 | 4.32 | 27.5 | 4.76 |
| RFI-81-08 | 6/17/2002 | 6.95 | 19.8 | 4.13 | 0.88 | -52 | 95.2 |
| RFI-81-08 | 4/1/2003 | 6.95 | 12.3 | 8.65 | 1.47 | -23 | 5 |
| RFI-81-08 | 10/7/2004 | 7.02 | 16.53 | 6.109 | 1.15 | -117.2 | 8.61 |
| RFI-81-08 | 2/24/2005 | 7.25 | 10.15 | 3.778 | 0.45 | 328.7 | 10.42 |
| RFI-81-09 | 6/18/2002 | 6.94 | 18.9 | 3.78 | 1.67 | 37 | 9.2 |
| RFI-81-09 | 4/1/2003 | 7.46 | 16.06 | 2.52 | 0.93 | 248 | 9.8 |
| RFI-81-11 | 6/19/2002 | 6.64 | 15.1 | 5.75 | 0 | -159 | 49.3 |
| RFI-81-11 | 4/1/2003 | 6.71 | 8.96 | 14.33 | 0.87 | -63 | 4.8 |
| RFI-81-12R | 6/20/2002 | 6.63 | 15.5 | 0.657 | 0 | -52 | 180 |
| RFI-81-13 | 3/27/2003 | 7.92 | 8 | 2.15 | 0.43 | 181 | 4.8 |
| RFI-81-21 | 10/6/2004 | 7.13 | 14.36 | 0.832 | 5.29 | -56.2 | 2.10 |

See Notes on Page 9.

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| RFI-81-33 | 6/20/2002 | 6.79 | 15.9 | 0.832 | 0 | -86 | 154 |
| RFI-81-33 | 4/3/2003 | 6.37 | 7.16 | 0.771 | 1.79 | 213 | 8.9 |
| RFI-81-33 | 10/6/2004 | 6.53 | 17.62 | 1.155 | 1.04 | -89.5 | 4.70 |
| RFI-81-35 | 6/18/2002 | 8.27 | 22 | 2.4 | 0.63 | -20 | 1.9 |
| RFI-81-35 | 4/1/2003 | 7.64 | 15.52 | 2.2 | 0.34 | -116 | 0 |
| RFI-81-39R | 9/17/2003 | 6.89 | 23.67 | 1.51 | 0.37 | -59 | 64.8 |
| RFI-81-39R | 10/11/2004 | 6.80 | 22.33 | 1.813 | 1.96 | -107.1 | 6.75 |
| RFI-81-50 | 4/4/2005 | 7.04 | 8.52 | 1.322 | 3.06 | 66.1 | 6.36 |
| RFI-81-51 | 4/4/2005 | 6.85 | 10.16 | 4.161 | 2.21 | -12.2 | 9.13 |
| RFI-83/84-01 | 4/4/2005 | 7.53 | 10.27 | 25.14 | 2.02 | 30.1 | 9.20 |
| RFI-83/84-02 | 12/18/2002 | 7.31 | 12.3 | 4.16 | 4.81 | -144 | 0 |
| RFI-83/84-11 | 6/19/2002 | 9.09 | 16.1 | 2.85 | 0.54 | -96 | 254 |
| RFI-83/84-11 | 4/1/2003 | 7.04 | 10.29 | 3.78 | 0.59 | 77 | 14.4 |
| RFI-83/84-11 | 10/7/2004 | 7.31 | 16.96 | 1.557 | 1.65 | -138.6 | 8.79 |
| RFI-83/84-20 | 6/20/2002 | 9.55 | 23.1 | 1.1 | 0.62 | -108 | 9.6 |
| RFI-83/84-20 | 4/2/2003 | 6.82 | 22.22 | 0.876 | 0.43 | -97 | 0 |
| RFI-83/84-27 | 6/18/2002 | 7.36 | 20.8 | 1.73 | 0.71 | -203 | 0 |
| RFI-83/84-27 | 4/2/2003 | 7.23 | 20.63 | 1.64 | 0.76 | -114 | NA |
| RFI-83/84-27 | 10/7/2004 | 7.09 | 20.54 | 0.831 | 0.94 | -110.4 | 4.31 |
| RFI-83/84-29 | 6/18/2002 | 7.02 | 15.3 | 2.75 | 0.48 | -107 | 0 |
| RFI-83/84-29 | 4/1/2003 | 6.90 | 12.1 | 2.72 | 0.86 | 28 | 0 |
| RFI-83/84-51 | 9/19/2003 | 6.97 | 21.13 | 2.35 | 0.4 | -228 | 642 |
| RFI-83/84-51 | 10/14/2003 | 6.95 | 20.52 | 2.352 | 0.49 | -125.7 | 4.67 |
| RFI-84-03D | 7/29/2005 | 7.12 | 16.26 | 2.583 | 0.68 | -109.1 | 7.65 |
| RFI-84-03I | 7/29/2005 | 7.13 | 16.49 | 2.51 | 0.34 | -88.6 | 8.9 |
| RFI-84-03S | 7/29/2005 | 7.13 | 19.63 | 1.346 | 0.34 | -29.5 | 3.6 |
| RFI-84-04D | 7/27/2005 | 7.05 | 17.17 | 3.725 | 0.26 | -97.2 | 22.3 |
| RFI-84-04S | 7/28/2005 | 7.10 | 19.37 | 2.406 | 0.24 | -160.1 | 11 |
| RFI-84-05 | 12/17/2002 | 7.05 | 8.7 | 9.86 | 1.19 | 114 | 26 |
| RFI-84-05 | 3/24/2003 | 6.99 | 12.03 | 8.71 | 1.39 | 141 | 37.2 |
| RFI-84-05 | 2/25/2005 | 7.17 | 6.60 | 5.725 | 1.18 | 179 | 20.2 |
| RFI-84-05 | 6/8/2005 | 6.73 | 17.17 | 5.943 | 0.58 | 33.5 | 21.1 |
| RFI-84-06R | 4/2/2003 | 7.74 | 8.31 | 4.65 | 2.68 | 281 | 97 |
| RFI-84-06R | 2/25/2005 | 8.32 | 6.4 | 2.428 | 0.19 | 34 | 5.79 |
| RFI-84-06R | 7/22/2005 | 8.05 | 21.07 | 2.362 | 0.27 | -61.7 | 35.2 |
| RFI-84-06R2 | 10/5/2004 | 7.11 | 15.38 | 1.659 | 1.45 | -65.1 | 6.71 |
| RFI-84-06RD | 7/21/2005 | 7.31 | 18.14 | 12.35 | 0.29 | -17.63 | 4.76 |
| RFI-84-07 | 7/1/2005 | 7.62 | 15.22 | 1.451 | 0.09 | -174.5 | 5.38 |
| RFI-84-07D | 7/28/2005 | 7.35 | 16 | 2.411 | 0.38 | -170.7 | 16.4 |
| RFI-84-08S | 7/22/2005 | 7.46 | 17.31 | 1.089 | 1.2 | -8.3 | 5.05 |
| RFI-84-08D | 7/6/2005 | 7.19 | 15.13 | 3.384 | 0.15 | -93.3 | 7.15 |
| RFI-84-09S | 7/22/2005 | 6.77 | 20.87 | 2.014 | 0.29 | -47.8 | 14.1 |
| RFI-84-09D | 7/22/2005 | 7.00 | 19.98 | 2.908 | 0.39 | -118.7 | 8.37 |
| RFI-84-10S | 7/22/2005 | 8.12 | 20.9 | 0.95 | 2.69 | 4.4 | 124 |
| RFI-84-10D | 7/21/2005 | NA | 16.44 | 3.925 | 0.1 | -161.7 | 3.27 |
| RFI-84-11S | 7/28/2005 | 6.53 | 21.3 | 2.079 | 0.67 | 93.3 | 13.3 |
| RFI-85-02R | 6/14/2002 | 6.83 | 13.8 | 11.1 | 3.65 | 110 | 3.2 |
| RFI-85-03 | 6/13/2002 | 7.32 | 15 | 2.81 | 8.13 | 113 | 14.3 |
| RFI-85-04R | 6/12/2002 | 6.18 | 20.35 | 10.7 | 11.38 | -112 | 38.1 |
| RFI-85-06 | 6/12/2002 | 6.08 | 17.49 | 4.48 | 10.79 | 32 | 0 |
| RFI-85-06 | 4/2/2003 | 6.79 | 10.35 | 0.772 | 5.77 | -63 | 0 |
| RFI-85-07 | 6/12/2002 | 6.15 | 16.13 | 5.91 | 8.31 | -118 | 27.2 |
| RFI-85-07 | 4/2/2003 | 6.97 | 13.02 | 2.54 | 0.61 | -34 | 0 |
| RFI-85-08 | 12/18/2002 | 7.03 | 13.9 | 14.4 | 2.27 | 77 | 0 |
| RFI-86-01R | 6/25/2002 | 6.80 | 20.8 | 2.4 | 6.27 | 89 | 19.6 |
| RFI-86-01R | 4/2/2003 | 6.86 | 11.18 | 2.39 | 3.93 | 203 | 23.4 |
| RFI-86-01R | 10/7/2004 | 6.97 | 18.37 | 1.596 | 1.63 | -4.1 | 2.80 |
| RFI-86-03 | 6/17/2002 | 7.15 | 13.5 | 2.24 | 0.6 | -134 | 0 |
| RFI-86-04 | 6/17/2002 | 7.20 | 15.2 | 3.03 | 2.02 | 89 | 0 |
| RFI-86-05 | 6/13/2002 | 7.00 | 16.6 | 1.91 | 1.77 | 101 | 13 |

See Notes on Page 9.

**TABLE C-1**
**GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

| Well ID | Date Sampled | pH (SU) | Temperature (ºC) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Turbidity (NTUs) |
|---|---|---|---|---|---|---|---|
| RFI-86-05 | 4/2/2003 | 6.61 | 12.54 | 7.13 | 3.64 | 227 | 6.8 |
| RFI-86-06D | 6/18/2002 | 6.98 | 21.2 | 3.38 | 6.6 | 97 | 3.8 |
| RFI-86-06D | 4/3/2003 | 7.01 | 8.97 | 4.98 | 4.35 | 208 | >999 |
| RFI-86-06S | 6/17/2002 | 7.01 | 15.6 | 2.04 | 5.63 | 65 | 0 |
| RFI-86-06S | 4/3/2003 | 6.72 | 5.85 | 4.61 | 3.5 | 191 | 9.1 |
| RFI-86-08R | 6/20/2002 | 9.71 | 18.5 | 3.07 | 0.59 | -118 | 5 |
| RFI-86-08R | 12/18/2002 | 6.75 | 20.1 | 3.46 | 0.66 | -119 | 0 |
| RFI-86-08R | 4/3/2003 | 6.45 | 17.75 | 3.11 | 0.35 | -47 | 9.6 |
| RFI-86-14 | 6/17/2002 | 6.72 | 21.5 | 4.45 | 4 | 32 | 349 |
| RFI-86-15 | 6/20/2002 | 7.21 | 14.1 | 3.83 | 0.49 | -63 | 2.5 |
| RFI-86-15 | 4/3/2003 | 6.83 | 7.63 | 2.73 | 1.41 | 80 | 3 |
| RFI-86-16R | 9/16/2003 | 6.96 | 19.38 | 2.18 | 0.83 | 180 | 48.3 |
| RFI-86-16R | 10/6/2004 | 6.90 | 16.89 | 1.037 | 1.64 | -29.3 | 2.93 |
| RFI-94-02R | 4/3/2003 | 6.75 | 5.9 | 2.72 | 2.79 | 205 | 30.2 |
| RFI-94-02R | 4/4/2003 | 6.56 | 5.39 | 2.61 | 3.12 | 228 | 26.3 |
| RFI-94-02R | 9/18/2003 | 6.87 | 20.29 | 1.99 | 0.42 | 126 | 15.7 |
| RFI-94-02R | 10/6/2004 | 6.59 | 18.99 | 2.071 | 1.12 | 68.5 | 4.02 |
| RFI-94-05 | 12/17/2002 | 7.31 | 9.8 | 1.83 | 0 | 27 | 43.8 |
| RFI-94-07 | 12/17/2002 | 7.46 | 9.61 | 2.12 | 0.87 | 16 | 0 |
| RFI-94-07 | 3/24/2003 | 7.56 | 12.06 | 1.077 | 0.46 | 136 | 58.7 |
| RFI-94-08 | 12/16/2003 | 7.18 | 12.51 | 13.7 | 1.39 | -31.9 | 4.97 |
| RFI-94-09 | 12/15/2003 | 7.13 | 12.83 | 1.671 | 1.09 | -66.9 | 70 |
| RFI-94-09 | 2/25/2005 | 7.11 | 9.10 | 2.641 | 0.69 | 19 | 19.1 |
| RFI-94-10 | 12/15/2003 | 6.79 | 13.5 | 1.331 | 1.58 | 172.5 | 3.1 |
| RFI-94-10 | 10/8/2004 | 6.87 | 18.05 | 0.929 | 1.13 | 156.6 | 4.78 |
| RFI-94-11 | 4/7/2005 | 7.04 | 9.01 | 10.81 | 1.39 | -47.3 | 8.14 |

**Notes:**
ºC = Celsius.
mg/L = milligrams per Liter.
mV = millivolts.
NA = Not Available.
NTUs = Nephelometric Turbidity Units.
SU = Standard Units.
uS/cm = microSiemens per centimeter.
* Final measurement not available.

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 03-02 06/14/02 | 03-101 06/25/02 | 03-114R 03/31/03 | 04-4 03/27/03 | 04-160 06/25/02 | 04-160 10/04/04 | 07-02 06/20/02 | 07-02 04/02/03 | 20-101R 06/19/02 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | 2.4 D (IDW,RDW) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0044 |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 12 D (IDW,RDW) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | 0.0024 | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0092 (IDW,RDW) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0044 |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | NA | NA | ND(0.030) | ND(0.025 J) | ND(0.025) | 0.032 J |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | NA | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.050) | NA | NA | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.025) | NA | NA | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | 2.2 D (IDW,RDW) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | 0.031 | 0.023 | NA | NA | ND(0.0010) | 0.013 | 0.0064 | 0.0012 |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | 0.00082 J | 0.0029 | NA | NA | ND(0.0010) | 0.0011 | ND(0.0010) | 0.0032 |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 03-02 06/14/02 | 03-101 06/25/02 | 03-114R 03/31/03 | 04-4 03/27/03 | 04-160 06/25/02 | 04-160 10/04/04 | 07-02 06/20/02 | 07-02 04/02/03 | 20-101R 06/19/02 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | ND(0.0010) | 0.057 (IDW,RDW) | 0.011 (IDW,RDW) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | 0.0046 (IDW,RDW) | 0.0084 (IDW,RDW) | NA | NA | ND(0.0010) | 0.0024 (IDW,RDW) | 0.0012 | 0.52 D (IDW,RDW) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 03-02 06/14/02 | 03-101 06/25/02 | 03-114R 03/31/03 | 04-4 03/27/03 | 04-160 06/25/02 | 04-160 10/04/04 | 07-02 06/20/02 | 07-02 04/02/03 | 20-101R 06/19/02 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 03-02 06/14/02 | 03-101 06/25/02 | 03-114R 03/31/03 | 04-4 03/27/03 | 04-160 06/25/02 | 04-160 10/04/04 | 07-02 06/20/02 | 07-02 04/02/03 | 20-101R 06/19/02 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | NA | NA | NA | ND(0.0012) | NA | NA | NA | NA |
| Arsenic | NA | NA | NA | NA | 0.010 | NA | NA | NA | NA |
| Barium | NA | NA | NA | NA | 0.093 | NA | NA | NA | NA |
| Beryllium | NA | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | 0.000090 J | NA | NA | NA | NA |
| Chromium Total | NA | NA | NA | NA | 0.0011 | NA | NA | NA | NA |
| Cobalt | NA | NA | NA | NA | 0.00042 | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | 0.0045 | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | 0.0017 | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | 0.047 | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | 0.0051 | NA | NA | NA | NA |
| Selenium | NA | NA | NA | NA | ND(0.0014) | NA | NA | NA | NA |
| Silver | NA | NA | NA | NA | ND(0.00040 J) | NA | NA | NA | NA |
| Thallium | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Vanadium | NA | NA | NA | NA | 0.00031 J | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | 0.026 | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | ND(0.0012) | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | 0.0096 | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | 0.077 | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | ND(0.00060) | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | 0.0053 | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | 0.032 J | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | 0.0031 | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | 0.0020 J | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | ND(0.00040 J) | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | ND(0.00080) | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | 0.011 | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-101R 10/11/04 | 20-101RD 03/27/03 | 20-101RD 10/11/04 | 20-102 06/21/02 | 20-102 03/27/03 | 20-103N 06/19/02 | 20-105R 06/19/02 | 20-105R 03/26/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | 0.86 (IDW,RDW) | ND(0.0010) | 0.00040 J | 0.0015 J | 0.0017 | ND(0.0010) | 0.71 D (IDW,RDW) | 0.54 D (IDW,RDW) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | 0.0010 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 3.5 J (IDW,RDW) | 0.0033 | 0.0040 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.078 | 0.086 D |
| 1,1-Dichloroethene | 0.055 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.040 (IDW,RDW) | 0.047 (IDW,RDW) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | 0.0030 | 0.017 (IDW,RDW) | 0.010 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.025 J) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.050) |
| Acetone | 0.0040 J | ND(0.025) | 0.010 J | ND(0.025) | ND(0.025) | 0.0017 J | 0.0015 J | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020 J) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | 1.6 J (RDW) | 6.4 D (IDW,RDW) | 7.4 J (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.016 | 0.063 |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.00090 J | ND(0.0010) | ND(0.0010) | 0.0014 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.010) | ND(0.0050) | ND(0.010) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.020) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | 0.0050 | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00074 J | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | 0.0030 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-101R 10/11/04 | 20-101RD 03/27/03 | 20-101RD 10/11/04 | 20-102 06/21/02 | 20-102 03/27/03 | 20-103N 06/19/02 | 20-105R 06/19/02 | 20-105R 03/26/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.012 (IDW,RDW) | 0.0078 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | 0.28 (IDW,RDW) | 0.062 (IDW,RDW) | 0.11 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-101R 10/11/04 | 20-101RD 03/27/03 | 20-101RD 10/11/04 | 20-102 06/21/02 | 20-102 03/27/03 | 20-103N 06/19/02 | 20-105R 06/19/02 | 20-105R 03/26/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-101R 10/11/04 | 20-101RD 03/27/03 | 20-101RD 10/11/04 | 20-102 06/21/02 | 20-102 03/27/03 | 20-103N 06/19/02 | 20-105R 06/19/02 | 20-105R 03/26/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | NA | NA | 0.00034 J | ND(0.0012) | ND(0.0012) | ND(0.0012) |
| Arsenic | NA | NA | NA | NA | ND(0.0010) | ND(0.0017) | 0.0065 | 0.0041 |
| Barium | NA | NA | NA | NA | 0.22 | 0.028 | 0.10 | 0.20 |
| Beryllium | NA | NA | NA | NA | ND(0.00040) | ND(0.00040 J) | ND(0.00040 J) | ND(0.00040) |
| Cadmium | NA | NA | NA | NA | 0.00043 | ND(0.00020) | 0.00025 | 0.00031 |
| Chromium Total | NA | NA | NA | NA | 0.0019 | 0.00074 | 0.0040 | 0.0012 |
| Cobalt | NA | NA | NA | NA | 0.0033 | 0.00029 | 0.0026 | 0.0029 |
| Copper | NA | NA | NA | NA | 0.0065 | 0.0041 J | 0.0082 J | 0.0022 |
| Cyanide (total) | NA | NA | NA | NA | 0.0076 | ND(0.0050) | ND(0.0050) | 0.0032 J |
| Lead | NA | NA | NA | NA | 0.00071 | 0.00034 J | 0.0049 (IDW,RDW) | 0.00034 J |
| Manganese | NA | NA | NA | NA | 1.0 (RDW) | 0.15 | 0.34 | 0.98 (RDW) |
| Mercury | NA | NA | NA | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) | ND(0.00020) |
| Nickel | NA | NA | NA | NA | 0.023 | 0.0037 | 0.0094 | 0.020 |
| Selenium | NA | NA | NA | NA | ND(0.0016) | 0.0076 | ND(0.0014) | ND(0.0016) |
| Silver | NA | NA | NA | NA | ND(0.00040) | ND(0.00040) | ND(0.00040) | 0.00017 J |
| Thallium | NA | NA | NA | NA | ND(0.00020) | ND(0.00020) | 0.00013 J | 0.000048 J |
| Vanadium | NA | NA | NA | NA | ND(0.00080) | 0.00038 J | 0.0075 (RDW) | ND(0.00080) |
| Zinc | NA | NA | NA | NA | 0.029 | 0.0091 J | 0.026 J | 0.010 |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-120 06/17/02 | 20-121 06/14/02 | 20-121 03/26/03 | 20-140 06/20/02 | 20-140 03/31/03 | 20-140 10/11/04 | 20-143 10/12/04 | 20-144 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | 0.023 | 0.11 D [0.11 D] | 0.097 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | 0.0015 [0.0016] | 0.0011 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.0054 | 0.37 D [0.38 D] | 0.20 D | 0.0017 | 0.0035 | 0.0030 J | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | 0.0049 [0.0053] | 0.0058 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | 0.0019 [0.0020] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) [ND(0.025)] | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.030) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.0010) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) [ND(0.025)] | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.030) | 0.0054 J |
| Benzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00093 J |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0020 J) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | 0.0095 [0.0090] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.00077 J | 0.16 D (IDW,RDW) [0.17 D (IDW,RDW)] | 0.060 | 0.0029 | 0.0019 | 0.0010 | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.010) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.020) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050 J) | ND(0.0050 J) [ND(0.0050 J)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.00060 J | 0.00050 J | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010 J) | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0092 |
| trans-1,2-Dichloroethene | ND(0.0010) | 0.0030 [0.0032] | 0.0017 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-120 06/17/02 | 20-121 06/14/02 | 20-121 03/26/03 | 20-140 06/20/02 | 20-140 03/31/03 | 20-140 10/11/04 | 20-143 10/12/04 | 20-144 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | 0.0019 | 0.00058 J [0.00061 J] | ND(0.0010) | 0.086 (IDW,RDW) | 0.061 (IDW,RDW) | 0.039 (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.030) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.0010 | 0.019 J (IDW,RDW) | 0.0070 (IDW,RDW) | ND(0.0010) | 0.00054 J |
| Xylenes (total) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-120 06/17/02 | 20-121 06/14/02 | 20-121 03/26/03 | 20-140 06/20/02 | 20-140 03/31/03 | 20-140 10/11/04 | 20-143 10/12/04 | 20-144 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-120 06/17/02 | 20-121 06/14/02 | 20-121 03/26/03 | 20-140 06/20/02 | 20-140 03/31/03 | 20-140 10/11/04 | 20-143 10/12/04 | 20-144 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | ND(0.0012) [ND(0.0012)] | NA | ND(0.0012) | ND(0.0012) | NA | NA | NA |
| Arsenic | NA | 0.00076 J [0.00079 J] | NA | ND(0.0010) | ND(0.0010) | NA | NA | NA |
| Barium | NA | 0.083 [0.083] | NA | 0.26 | 0.24 | NA | NA | NA |
| Beryllium | NA | ND(0.00040 J) [ND(0.00040 J)] | NA | ND(0.00040) | ND(0.00040) | NA | NA | NA |
| Cadmium | NA | 0.000046 J [0.000054 J] | NA | 0.00077 | 0.00057 | NA | NA | NA |
| Chromium Total | NA | 0.00030 J [0.00031 J] | NA | 0.00093 | 0.00092 | NA | NA | NA |
| Cobalt | NA | 0.0048 [0.0049] | NA | 0.0091 | 0.0060 | NA | NA | NA |
| Copper | NA | 0.0047 [ND(0.0034)] | NA | 0.012 | 0.012 | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | 0.0026 J | 0.0025 J | NA | NA | NA |
| Lead | NA | 0.00011 J [0.00072] | NA | 0.0014 | 0.0011 | NA | NA | NA |
| Manganese | NA | 2.0 J (RDW) [2.0 J (RDW)] | NA | 1.7 (RDW) | 1.9 J (RDW) | NA | NA | NA |
| Mercury | NA | ND(0.00020) [0.00012 J] | NA | ND(0.00020) | ND(0.00020) | NA | NA | NA |
| Nickel | NA | 0.019 [0.020] | NA | 0.024 | 0.030 | 0.023 | NA | NA |
| Selenium | NA | ND(0.0014) [ND(0.0014)] | NA | 0.0015 | ND(0.0016) | NA | NA | NA |
| Silver | NA | ND(0.00040) [ND(0.00040)] | NA | ND(0.00040 J) | ND(0.00040) | NA | NA | NA |
| Thallium | NA | ND(0.00020) [ND(0.00021)] | NA | 0.00016 J | 0.000058 J | NA | NA | NA |
| Vanadium | NA | ND(0.00080) [ND(0.00080)] | NA | ND(0.00080) | ND(0.00080) | NA | NA | NA |
| Zinc | NA | 0.013 [0.0084] | NA | ND(0.017 J) | 0.013 | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: | 20-145 | 20-500 | 20-500 | 20-FP6 | 20-FP6 | 20-FP11 | 30-140 | 30-140 | 30-140 | 31-5 | 31-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date Collected: | 06/18/02 | 06/14/02 | 03/26/03 | 06/19/02 | 03/27/03 | 06/19/02 | 06/13/02 | 03/27/03 | 10/04/04 | 06/21/02 | 06/21/02 |
| VOC | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | 0.0012 | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.00063 J | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0020) | NA | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | NA | ND(0.025) | ND(0.030) | NA | ND(0.025 J) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) | NA | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.0010) | NA | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.025) | 0.0031 J | ND(0.025) | 0.0021 J | NA | ND(0.025) | ND(0.030) | NA | ND(0.025) |
| Benzene | ND(0.0010) | 0.0013 | 0.0017 | 0.00050 J | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0020 J) | NA | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | 0.012 | 0.00062 J | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0010) | NA | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0010) | NA | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0010) | NA | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050 J) | ND(0.010) | NA | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.020) | NA | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | NA | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | 0.0020 | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-145 06/18/02 | 20-500 06/14/02 | 20-500 03/26/03 | 20-FP6 06/19/02 | 20-FP6 03/27/03 | 20-FP11 06/19/02 | 30-140 06/13/02 | 30-140 03/27/03 | 30-140 10/04/04 | 31-5 06/21/02 | 31-6 06/21/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | | | |
| Trichloroethene | 0.0012 | ND(0.0010) | 0.0042 | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.030) | NA | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0012 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0010) | NA | ND(0.0020) |
| **SVOC** | | | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-145 06/18/02 | 20-500 06/14/02 | 20-500 03/26/03 | 20-FP6 06/19/02 | 20-FP6 03/27/03 | 20-FP11 06/19/02 | 30-140 06/13/02 | 30-140 03/27/03 | 30-140 10/04/04 | 31-5 06/21/02 | 31-6 06/21/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| **PCB-Dissolved** | | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 20-145 06/18/02 | 20-500 06/14/02 | 20-500 03/26/03 | 20-FP6 06/19/02 | 20-FP6 03/27/03 | 20-FP11 06/19/02 | 30-140 06/13/02 | 30-140 03/27/03 | 30-140 10/04/04 | 31-5 06/21/02 | 31-6 06/21/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **norganic** | | | | | | | | | | | |
| Antimony | ND(0.0012) | NA | ND(0.0012) | NA | NA | NA | ND(0.0012) | ND(0.0012) | NA | NA | NA |
| Arsenic | ND(0.0016) | NA | 0.050 | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | NA |
| Barium | 0.069 | NA | 0.40 | NA | NA | NA | 0.30 J | 0.14 | NA | NA | NA |
| Beryllium | ND(0.00040 J) | NA | ND(0.00040) | NA | NA | NA | ND(0.00040 J) | ND(0.00040) | NA | NA | NA |
| Cadmium | 0.00051 | NA | ND(0.00020) | NA | NA | NA | 0.00019 J | 0.00063 | NA | NA | NA |
| Chromium Total | 0.0018 | NA | 0.0018 | NA | NA | NA | 0.0015 | 0.0012 | NA | NA | NA |
| Cobalt | 0.0017 | NA | 0.0022 | NA | NA | NA | 0.0024 | 0.0013 | NA | NA | NA |
| Copper | 0.052 | NA | 0.0097 | NA | NA | NA | 0.0062 | 0.0027 | NA | NA | NA |
| Cyanide (total) | ND(0.0050) | NA | 0.029 | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Lead | 0.00019 J | NA | 0.0013 | NA | NA | NA | ND(0.00040 J) | 0.00023 J | NA | NA | NA |
| Manganese | 0.42 | NA | 0.44 | NA | NA | NA | 3.1 J (IDW,RDW) | 0.81 | 2.2 (RDW) | NA | NA |
| Mercury | ND(0.00020) | NA | ND(0.00020) | NA | NA | NA | ND(0.00020) | ND(0.00020) | NA | NA | NA |
| Nickel | 0.022 | NA | 0.017 | NA | NA | NA | 0.0095 | 0.011 | NA | NA | NA |
| Selenium | 0.00041 J | NA | 0.0017 | NA | NA | NA | ND(0.0014) | ND(0.0016) | NA | NA | NA |
| Silver | ND(0.00040) | NA | 0.00028 J | NA | NA | NA | ND(0.00040 J) | ND(0.00040) | NA | NA | NA |
| Thallium | ND(0.00020) | NA | ND(0.00020) | NA | NA | NA | 0.00021 | 0.00012 J | NA | NA | NA |
| Vanadium | ND(0.00080) | NA | ND(0.00080) | NA | NA | NA | ND(0.00080) | ND(0.00080) | NA | NA | NA |
| Zinc | 0.18 J | NA | 0.021 | NA | NA | NA | 0.012 J | 0.024 | NA | NA | NA |
| **norganic-Dissolved** | | | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 31-8 06/24/02 | 36-100 06/13/02 | 36-100 03/25/03 | 36-100 06/10/05 | 36-101 06/13/02 | 36-FP1 06/14/02 | 36-FP1 03/27/03 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) [ND(0.0010)] | 0.74 JD (IDW,RDW) | 0.32 D (IDW,RDW) | 0.23 (IDW,RDW) | NA | 0.098 D | 0.24 D (IDW,RDW) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) [ND(0.0010)] | 0.0050 | 0.0021 | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) [ND(0.0010)] | 0.78 JD | 0.17 D | 0.32 | NA | 0.11 D | 0.50 D |
| 1,1-Dichloroethene | ND(0.0010) [ND(0.0010)] | 0.11 JD (IDW,RDW) | 0.023 (IDW,RDW) | 0.016 (IDW,RDW) | NA | 0.0011 | 0.0056 |
| 1,2,4-Trichlorobenzene | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.010) | NA | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) [ND(0.0010)] | 0.0030 | ND(0.0010) | ND(0.0050) | NA | 0.0042 | 0.0040 |
| 1,2-Dichloropropane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 EJ [0.14 JD] | 0.0039 J | ND(0.025) | ND(0.10) | NA | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.30) | NA | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.0050) | NA | ND(0.050) | ND(0.050) |
| Acetone | 0.24 JD [0.27 JD] | 0.013 J | ND(0.025) | ND(0.10) | NA | ND(0.025) | ND(0.025) |
| Benzene | 0.70 D (IDW,RDW) [0.72 D (IDW,RDW)] | 0.051 (IDW,RDW) | 0.0032 | 0.0080 (IDW,RDW) | NA | 1.3 D (IDW,RDW) | 2.0 D (IDW,RDW) |
| Bromodichloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050 J) | ND(0.030) | NA | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Chloroethane | 0.0061 [0.0060] | 0.026 | ND(0.0010) | 0.061 | NA | 0.023 | 0.089 |
| Chloroform (Trichloromethane) | ND(0.0010) [ND(0.0010)] | 0.00071 J | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) [ND(0.0010)] | 0.033 | 0.0030 | 0.0040 J | NA | 0.0018 | 0.0025 |
| cis-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Cyclohexane | 0.16 D [0.17 D] | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | 1.0 D (IDW,RDW) [1.0 D (IDW,RDW)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | 0.066 [0.069] | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | 1.1 D [1.1 D] | ND(0.0020) | ND(0.0020) | ND(0.0050) | NA | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.050) | NA | ND(0.0050) | ND(0.0050 J) |
| Methyl cyclohexane | 0.13 D [0.15 D] | ND(0.0010) | ND(0.0010 J) | ND(0.10) | NA | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) [ND(0.0050)] | 0.0067 | ND(0.0050) | 0.0040 J | NA | 0.0010 J | ND(0.0050) |
| Methylene chloride | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.030) | NA | ND(0.0050 J) | ND(0.0050) |
| o-Xylene | 0.59 D [0.60 D] | 0.0030 | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010 J) | ND(0.0010) |
| Toluene | 0.14 D [0.14 D] | 0.00078 J | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) [ND(0.0010)] | 0.0045 | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 31-8 06/24/02 | 36-100 06/13/02 | 36-100 03/25/03 | 36-100 06/10/05 | 36-101 06/13/02 | 36-FP1 06/14/02 | 36-FP1 03/27/03 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | ND(0.0010) [ND(0.0010)] | 0.0036 | 0.0037 | 0.0080 (IDW,RDW) | NA | 0.018 (IDW,RDW) | 0.018 (IDW,RDW) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.20) | NA | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) [ND(0.0010)] | 0.0063 J (IDW,RDW) | ND(0.0010) | 0.0090 (IDW,RDW) | NA | 0.0013 | 0.0081 (IDW,RDW) |
| Xylenes (total) | 1.7 [1.7] | 0.0030 | ND(0.0020) | ND(0.0050) | NA | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 31-8 06/24/02 | 36-100 06/13/02 | 36-100 03/25/03 | 36-100 06/10/05 | 36-101 06/13/02 | 36-FP1 06/14/02 | 36-FP1 03/27/03 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 31-8 06/24/02 | 36-100 06/13/02 | 36-100 03/25/03 | 36-100 06/10/05 | 36-101 06/13/02 | 36-FP1 06/14/02 | 36-FP1 03/27/03 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | 0.00041 J [ND(0.0012)] | ND(0.0012) | ND(0.0012) | NA | ND(0.0012) | ND(0.0012) | ND(0.0012) |
| Arsenic | 0.022 [0.018] | 0.012 | 0.012 | NA | ND(0.0010) | 0.033 | 0.054 (IDW,RDW) |
| Barium | 0.13 [0.097] | 0.25 J | 0.21 J | NA | 0.12 J | 0.56 | 0.51 |
| Beryllium | ND(0.00040) [ND(0.00040)] | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00040 J) | ND(0.00040 J) | ND(0.00040) |
| Cadmium | 0.000044 J [ND(0.00020)] | 0.00023 | 0.00033 | NA | 0.000072 J | 0.00014 J | ND(0.00020) |
| Chromium Total | 0.00084 [0.00069] | 0.00080 | 0.0016 | NA | 0.00070 | 0.00043 J | 0.0014 |
| Cobalt | 0.00051 [0.00040] | 0.0060 | 0.0034 | NA | 0.0013 | 0.0035 | 0.0036 |
| Copper | 0.0013 [0.0019] | 0.0045 | 0.0043 | NA | 0.0048 | ND(0.0030) | 0.0044 |
| Cyanide (total) | ND(0.0050) [ND(0.0050)] | NA | ND(0.0050) | NA | NA | NA | ND(0.0050) |
| Lead | 0.0017 [0.0014] | 0.00033 J | 0.00093 | NA | 0.00013 J | 0.00047 | 0.00057 |
| Manganese | 0.17 J [0.13 J] | 1.8 J (RDW) | 0.63 | NA | 0.33 J | 1.3 J (RDW) | 0.84 |
| Mercury | ND(0.00020) [ND(0.00020)] | ND(0.00020) | ND(0.00020) | NA | 0.00013 J | ND(0.00020) | ND(0.00020) |
| Nickel | 0.0035 [0.0029] | 0.055 | 0.033 | NA | 0.013 | 0.012 | 0.027 |
| Selenium | ND(0.0014) [ND(0.0014)] | 0.00047 J | ND(0.0016) | NA | ND(0.0014) | ND(0.0014) | 0.0019 J |
| Silver | ND(0.00056 J) [ND(0.00040 J)] | 0.00039 J | ND(0.00040) | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040) |
| Thallium | ND(0.00020) [ND(0.00020)] | 0.00015 J | 0.000082 J | NA | 0.000056 J | ND(0.00020) | 0.000089 J |
| Vanadium | ND(0.00080) [ND(0.00080)] | ND(0.00080) | 0.000097 J | NA | ND(0.00080) | ND(0.00080) | ND(0.00080) |
| Zinc | 0.011 [0.0069] | 0.021 J | ND(0.027) | NA | 0.013 J | 0.021 | 0.022 |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 36-FP1 06/09/05 | 36-FP2 06/14/02 | 36-FP2 03/25/03 | 36-FP5 12/16/02 | 36-FP5 04/02/03 | 36-FP8 06/17/02 | 36-FP8 03/25/03 | 37-01 12/18/02 | 40-1R 04/03/03 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | 0.19 | 0.00064 J | ND(0.0010) | 0.0083 | 0.011 | 0.0010 | ND(0.0010) | NA | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethane | 0.40 | 0.0034 | 0.0051 | 0.011 | 0.011 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0050) | ND(0.0010) | ND(0.0010) | 0.00091 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0050) | 0.0052 (IDW,RDW) | 0.013 (IDW,RDW) | 0.00051 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.10) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | NA | ND(0.025) |
| 2-Hexanone | ND(0.30) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) |
| Acetone | ND(0.10) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | NA | ND(0.025) |
| Benzene | 0.71 (IDW,RDW) | 2.7 D (IDW,RDW) | 4.5 D (IDW,RDW) | 0.00091 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Bromodichloromethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Bromoform | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Carbon disulfide | ND(0.030) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | NA | ND(0.0050) |
| Carbon tetrachloride | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chlorobenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloroethane | 0.069 J | 0.021 | 0.0098 | 0.0026 | 0.0019 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0050) | ND(0.0010) | ND(0.0010) | 0.00060 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Dibromochloromethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Ethylbenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| m&p-Xylene | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) |
| Methyl acetate | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050 J) |
| Methyl cyclohexane | ND(0.10) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.030) | 0.00074 J | ND(0.0050) | 0.0042 J | 0.0061 | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Methylene chloride | ND(0.030) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | NA | ND(0.0050) |
| o-Xylene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Styrene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Tetrachloroethene | ND(0.0050) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) |
| Toluene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 36-FP1 06/09/05 | 36-FP2 06/14/02 | 36-FP2 03/25/03 | 36-FP5 12/16/02 | 36-FP5 04/02/03 | 36-FP8 06/17/02 | 36-FP8 03/25/03 | 37-01 12/18/02 | 40-1R 04/03/03 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | 0.0050 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.0017 |
| Trichlorofluoromethane (CFC-11) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.20) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Vinyl chloride | ND(0.0050) | ND(0.0010) | ND(0.0010) | 0.0012 | 0.0014 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Xylenes (total) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 36-FP1 06/09/05 | 36-FP2 06/14/02 | 36-FP2 03/25/03 | 36-FP5 12/16/02 | 36-FP5 04/02/03 | 36-FP8 06/17/02 | 36-FP8 03/25/03 | 37-01 12/18/02 | 40-1R 04/03/03 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 36-FP1 06/09/05 | 36-FP2 06/14/02 | 36-FP2 03/25/03 | 36-FP5 12/16/02 | 36-FP5 04/02/03 | 36-FP8 06/17/02 | 36-FP8 03/25/03 | 37-01 12/18/02 | 40-1R 04/03/03 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | ND(0.0012) | ND(0.0012) | NA | NA | ND(0.0012) | 0.00059 J | ND(0.0012) | 0.00090 J |
| Arsenic | NA | 0.12 (IDW,RDW) | 0.094 (IDW,RDW) | NA | NA | 0.0023 | ND(0.0010) | 0.014 | ND(0.0010) |
| Barium | NA | 0.47 | 0.40 J | NA | NA | 0.080 | 0.51 J | 0.040 J | 0.053 |
| Beryllium | NA | ND(0.00040 J) | ND(0.00040) | NA | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040 J) | ND(0.00040) |
| Cadmium | NA | ND(0.00020) | ND(0.00020) | NA | NA | 0.000079 J | 0.0025 | ND(0.00020 J) | 0.000090 J |
| Chromium Total | NA | 0.00072 | 0.00047 J | NA | NA | 0.00029 J | 0.0038 | 0.00089 | 0.0064 |
| Cobalt | NA | 0.0010 | 0.00058 | NA | NA | 0.0020 | 0.0033 | 0.0073 J | 0.00048 |
| Copper | NA | 0.0083 | 0.0026 | NA | NA | 0.0068 | 0.0070 | 0.0025 | 0.0054 |
| Cyanide (total) | NA | NA | ND(0.0050) | NA | NA | 0.16 | 0.068 | ND(0.0050) | 0.0068 |
| Lead | NA | 0.00027 J | 0.00026 J | NA | NA | 0.00014 J | 0.00020 J | 0.00059 J | 0.0013 |
| Manganese | NA | 0.14 J | 0.11 | NA | NA | 0.29 J | 1.2 (RDW) | 2.1 (RDW) | 0.057 J |
| Mercury | NA | ND(0.00020) | ND(0.00020) | NA | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) | ND(0.00020) |
| Nickel | NA | 0.0084 | 0.0086 | NA | NA | 0.0025 | 0.014 | 0.010 J | 0.0083 |
| Selenium | NA | ND(0.0014) | ND(0.0016) | NA | NA | ND(0.0014) | ND(0.0016) | ND(0.0016) | ND(0.0016) |
| Silver | NA | ND(0.00040) | ND(0.00040) | NA | NA | ND(0.00040) | 0.00013 J | ND(0.00040 J) | ND(0.00040 J) |
| Thallium | NA | ND(0.00020) | ND(0.00020) | NA | NA | ND(0.00020) | 0.000095 J | 0.00022 J | 0.00012 J |
| Vanadium | NA | ND(0.00080) | ND(0.00080) | NA | NA | ND(0.00080) | ND(0.00080) | 0.00023 J | 0.00024 J |
| Zinc | NA | 0.024 | ND(0.019) | NA | NA | 0.011 | ND(0.018) | 0.017 J | 0.011 |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | ND(0.0012) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | 0.12 (IDW,RDW) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | 0.47 | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | ND(0.00040 J) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | 0.00097 | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | 0.00088 | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | 0.0043 | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | 0.15 | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | 0.0077 | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | ND(0.0014) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | ND(0.00080) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | 0.028 | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-2 12/17/02 | 40-2 03/24/03 | 40-3 12/17/02 | 40-3 03/24/03 | 40-4R 06/24/02 | 40-4R 03/24/03 | 40-6R 04/23/03 | 40-6R 10/05/04 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010 J) | 0.00051 J | ND(0.0010) | 0.00075 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | 0.0010 J | ND(0.025) | 0.010 J | ND(0.025) | ND(0.025) | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | 0.00063 J | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.0010) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | 0.027 J | ND(0.025) | 0.0019 J | ND(0.030) |
| Benzene | 0.021 (IDW,RDW) | 0.018 (IDW,RDW) | 0.041 (IDW,RDW) | 0.050 (IDW,RDW) | 2.6 D (IDW,RDW) | 1.5 D (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00099 J | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00069 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | 0.038 | 0.028 | 0.022 | 0.068 | 0.077 | 0.096 | ND(0.0050) | ND(0.0010) |
| Dibromochloromethane | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | 0.061 | 0.092 D | 0.012 | 0.031 | 0.68 D | 0.41 D | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | 0.074 | 0.025 | 0.012 | 0.023 | 0.036 | 0.037 | ND(0.0050) | ND(0.0010) |
| m&p-Xylene | 0.0016 J | 0.0060 | 0.0022 | 0.0058 | 1.8 D | 1.0 D | ND(0.0020) | ND(0.0010) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.010) |
| Methyl cyclohexane | 0.012 | 0.0065 J | 0.0094 | 0.032 J | 0.064 | 0.074 J | ND(0.0010) | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.0014 J | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | 0.00059 J | 0.0018 | 0.084 | 0.0094 | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | 0.0015 | 0.0014 | 0.0027 | 0.0053 | 0.058 | 0.033 | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-2 12/17/02 | 40-2 03/24/03 | 40-3 12/17/02 | 40-3 03/24/03 | 40-4R 06/24/02 | 40-4R 03/24/03 | 40-6R 04/23/03 | 40-6R 10/05/04 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00030 J |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.030) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | 0.0016 J | 0.0060 | 0.0028 J | 0.0076 | 1.9 | 1.0 | ND(0.0020) | ND(0.0010) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-2 12/17/02 | 40-2 03/24/03 | 40-3 12/17/02 | 40-3 03/24/03 | 40-4R 06/24/02 | 40-4R 03/24/03 | 40-6R 04/23/03 | 40-6R 10/05/04 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-2 12/17/02 | 40-2 03/24/03 | 40-3 12/17/02 | 40-3 03/24/03 | 40-4R 06/24/02 | 40-4R 03/24/03 | 40-6R 04/23/03 | 40-6R 10/05/04 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | NA | 0.00045 J | ND(0.0012) | 0.0028 | NA |
| Arsenic | NA | NA | 0.44 (IDW,RDW) | NA | 0.15 (IDW,RDW) | 0.16 (IDW,RDW) | ND(0.0010) | ND(0.0020) |
| Barium | NA | NA | 0.11 J | NA | 0.18 | 0.18 J | 0.035 | NA |
| Beryllium | NA | NA | 0.00093 J | NA | ND(0.00040) | ND(0.00040) | ND(0.00040) | NA |
| Cadmium | NA | NA | ND(0.00020 J) | NA | 0.000062 J | 0.000050 J | 0.000078 J | NA |
| Chromium Total | NA | NA | 0.0038 | NA | 0.0027 | 0.0026 | 0.0032 | NA |
| Cobalt | NA | NA | 0.00070 J | NA | 0.0033 | 0.0026 | 0.00048 | NA |
| Copper | NA | NA | 0.0030 J | NA | 0.0092 | 0.0038 | 0.0034 | NA |
| Cyanide (total) | NA | NA | 0.010 | NA | ND(0.0050) | ND(0.0050) | 0.024 | 0.024 |
| Lead | NA | NA | 0.00071 J | NA | 0.0064 (IDW,RDW) | 0.0049 (IDW,RDW) | 0.0020 | ND(0.0030) |
| Manganese | NA | NA | 0.43 J | NA | 1.0 J (RDW) | 0.51 | 0.27 | NA |
| Mercury | NA | NA | ND(0.00020) | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) | NA |
| Nickel | NA | NA | 0.0077 J | NA | 0.0073 | 0.0072 | 0.0048 | NA |
| Selenium | NA | NA | ND(0.0016) | NA | ND(0.0014) | ND(0.0016) | ND(0.0016) | NA |
| Silver | NA | NA | ND(0.00040 J) | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040 J) | NA |
| Thallium | NA | NA | ND(0.00020 J) | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) | NA |
| Vanadium | NA | NA | ND(0.00080) | NA | 0.0040 | 0.0037 | 0.00029 J | NA |
| Zinc | NA | NA | 0.018 J | NA | 0.022 | ND(0.019) | 0.0086 | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | 0.0033 | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | 0.14 (IDW,RDW) | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | 0.14 | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | ND(0.00040) | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | 0.0018 | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | 0.0023 | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | 0.0031 | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | 0.0024 | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | 0.90 J (RDW) | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | 0.0040 | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | ND(0.0014) | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | 0.00099 J | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | 0.0014 | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | 0.014 | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: | 40-303R | 40-303R | 40-303R | 40-304 | 40-304 | 40-304 | 40-305 | 40-305 |
|---|---|---|---|---|---|---|---|---|
| Date Collected: | 06/24/02 | 03/27/03 | 10/05/04 | 12/17/02 | 03/21/03 | 10/06/04 | 06/24/02 | 03/21/03 |
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0011 | ND(0.0010) | 0.0010 J | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025 J) | ND(0.025) | ND(0.030) | 0.0046 J | ND(0.025) | ND(0.030) | 0.0010 J | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.025) | 0.0070 J | ND(0.025) | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00030 J | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0020 J) | ND(0.0010) | ND(0.0010 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0049 | 0.0083 | 0.0070 | 0.019 | 0.0084 |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050 J) | ND(0.010) | ND(0.0050) | ND(0.0050 J) | ND(0.010) | ND(0.0050) | ND(0.0050 J) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00094 J | 0.0011 |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-303R 06/24/02 | 40-303R 03/27/03 | 40-303R 10/05/04 | 40-304 12/17/02 | 40-304 03/21/03 | 40-304 10/06/04 | 40-305 06/24/02 | 40-305 03/21/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00020 J | 0.0021 | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0053 (IDW,RDW) | 0.0017 | 0.0050 (IDW,RDW) | 0.0037 (IDW,RDW) | 0.0039 (IDW,RDW) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-303R 06/24/02 | 40-303R 03/27/03 | 40-303R 10/05/04 | 40-304 12/17/02 | 40-304 03/21/03 | 40-304 10/06/04 | 40-305 06/24/02 | 40-305 03/21/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-303R 06/24/02 | 40-303R 03/27/03 | 40-303R 10/05/04 | 40-304 12/17/02 | 40-304 03/21/03 | 40-304 10/06/04 | 40-305 06/24/02 | 40-305 03/21/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | 0.0010 J | 0.00034 J | NA | NA | NA | NA | NA | NA |
| Arsenic | 0.041 | 0.037 | NA | NA | NA | NA | NA | NA |
| Barium | 0.22 | 0.15 | NA | NA | NA | NA | NA | NA |
| Beryllium | ND(0.00040) | ND(0.00040) | ND(0.0010) | NA | NA | ND(0.0010) | NA | NA |
| Cadmium | 0.00042 | 0.000067 J | NA | NA | NA | NA | NA | NA |
| Chromium Total | 0.0093 | 0.0020 | NA | NA | NA | NA | NA | NA |
| Cobalt | 0.0018 | 0.0013 | NA | NA | NA | NA | NA | NA |
| Copper | 0.0039 | 0.0028 | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | ND(0.0050) | 0.0050 J | NA | NA | NA | NA | NA | NA |
| Lead | 0.0027 | 0.0016 | ND(0.0030) | NA | NA | ND(0.0030) | NA | NA |
| Manganese | 0.18 J | 0.15 | NA | NA | NA | NA | NA | NA |
| Mercury | 0.00015 J | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Nickel | 0.0073 | 0.013 | NA | NA | NA | NA | NA | NA |
| Selenium | ND(0.0014) | ND(0.0016) | NA | NA | NA | NA | NA | NA |
| Silver | ND(0.00040 J) | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Thallium | ND(0.00020) | 0.00081 | NA | NA | NA | NA | NA | NA |
| Vanadium | 0.0036 | 0.00042 J | NA | NA | NA | NA | NA | NA |
| Zinc | 0.022 | 0.017 | NA | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0020 |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.011 |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.034 |
| Beryllium (Dissolved) | NA | NA | ND(0.0010) | NA | NA | NA | NA | ND(0.00040) |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.00014 J |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0050 |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.00059 |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0022 |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.010 |
| Lead (Dissolved) | NA | NA | ND(0.0030) | NA | NA | NA | NA | 0.00066 |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.086 |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00020) |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0011 |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.0016) |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.000094 J |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.000057 J |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0021 |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.010 |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-305 03/25/03 | 43-101R 06/18/02 | 43-140 06/12/02 | 43-140 04/03/03 | 43-140 10/12/04 | 43-166 06/19/02 | 43-168 12/17/02 | 55-1 06/12/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | NA | 0.011 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1,2-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethane | NA | 0.0029 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.027 |
| 1,1-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2,4-Trichlorobenzene | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloropropane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,3-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,4-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | NA | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | NA | ND(0.025) |
| 2-Hexanone | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | NA | ND(0.050) |
| Acetone | NA | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) | 0.0039 J | NA | 0.0092 J |
| Benzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.018 (IDW,RDW) |
| Bromodichloromethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Bromoform | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) |
| Bromomethane (Methyl Bromide) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | NA | ND(0.0010) |
| Carbon disulfide | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | NA | ND(0.0050) |
| Carbon tetrachloride | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | 0.079 |
| Chloroform (Trichloromethane) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloromethane (Methyl Chloride) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| cis-1,2-Dichloroethene | NA | ND(0.0010) | 0.00076 J | 0.0033 | 0.0040 | ND(0.0010) | NA | 0.00070 J |
| cis-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Cyclohexane | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | ND(0.0050) |
| Dibromochloromethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Ethylbenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Isopropylbenzene | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | ND(0.0050) |
| m&p-Xylene | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | NA | ND(0.0020) |
| Methyl acetate | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.0050) | NA | ND(0.0050) |
| Methyl cyclohexane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) | NA | ND(0.0010) |
| Methyl Tert Butyl Ether | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | 0.00076 J |
| Methylene chloride | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.00040 J | ND(0.0050 J) | NA | ND(0.0050) |
| o-Xylene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Styrene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Tetrachloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) |
| Toluene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| trans-1,2-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| trans-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-305 03/25/03 | 43-101R 06/18/02 | 43-140 06/12/02 | 43-140 04/03/03 | 43-140 10/12/04 | 43-166 06/19/02 | 43-168 12/17/02 | 55-1 06/12/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | NA | ND(0.0010) | 0.058 (IDW,RDW) | 0.22 D (IDW,RDW) | 0.25 (IDW,RDW) | ND(0.0010) | NA | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | NA | ND(0.0010) |
| Vinyl chloride | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.020 J (IDW,RDW) |
| Xylenes (total) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | NA | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-305 03/25/03 | 43-101R 06/18/02 | 43-140 06/12/02 | 43-140 04/03/03 | 43-140 10/12/04 | 43-166 06/19/02 | 43-168 12/17/02 | 55-1 06/12/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 40-305 03/25/03 | 43-101R 06/18/02 | 43-140 06/12/02 | 43-140 04/03/03 | 43-140 10/12/04 | 43-166 06/19/02 | 43-168 12/17/02 | 55-1 06/12/02 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | 0.0011 J | ND(0.0012) | NA | NA | NA | ND(0.0012) | ND(0.0012) | NA |
| Arsenic | 0.0091 | 0.056 (IDW,RDW) | NA | NA | NA | 0.029 | 0.0044 | NA |
| Barium | 0.076 J | 0.12 | NA | NA | NA | 0.93 | 0.17 J | NA |
| Beryllium | ND(0.00040) | ND(0.00040 J) | NA | NA | NA | ND(0.00040 J) | 0.00024 J | NA |
| Cadmium | 0.00020 | ND(0.00020) | NA | NA | NA | ND(0.00020) | 0.00014 J | NA |
| Chromium Total | 0.0016 | 0.00053 J | NA | NA | NA | 0.0012 | 0.0012 | NA |
| Cobalt | 0.00089 | 0.0017 | NA | NA | NA | 0.0042 | 0.0026 J | NA |
| Copper | 0.0027 | 0.0023 J | NA | NA | NA | 0.0066 J | 0.0066 J | NA |
| Cyanide (total) | 0.011 | ND(0.0050) | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA |
| Lead | 0.0092 (IDW,RDW) | 0.00088 | NA | NA | NA | 0.00030 J | 0.00074 J | NA |
| Manganese | 0.15 | 0.53 | NA | NA | NA | 1.2 (RDW) | 1.8 J (RDW) | NA |
| Mercury | ND(0.00020) | ND(0.00020) | NA | NA | NA | ND(0.00020) | ND(0.00020) | NA |
| Nickel | 0.0017 | 0.0047 | NA | NA | NA | 0.013 | 0.0093 J | NA |
| Selenium | ND(0.0016) | 0.0025 J | NA | NA | NA | ND(0.0014) | ND(0.0016) | NA |
| Silver | ND(0.00040) | ND(0.00040) | NA | NA | NA | ND(0.00040) | ND(0.00040 J) | NA |
| Thallium | ND(0.00020) | 0.00047 | NA | NA | NA | 0.000085 J | 0.00017 J | NA |
| Vanadium | 0.00071 J | ND(0.00080) | NA | NA | NA | ND(0.00080) | ND(0.00080) | NA |
| Zinc | ND(0.030) | 0.035 J | NA | NA | NA | 0.026 J | 0.018 J | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 55-1 03/20/03 | 55-2 03/20/03 | 55-3 06/12/02 | 55-3 03/21/03 | 55-3 10/08/04 | 55-4 06/12/02 | 55-4 03/21/03 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.015 [0.015] | 0.0030 | NA | NA | 0.0040 | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0020) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | 0.00030 J | 0.0064 (IDW,RDW) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) [ND(0.025)] | ND(0.025) | NA | NA | ND(0.030) | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) [ND(0.050)] | ND(0.050) | NA | NA | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) [ND(0.050)] | ND(0.050) | NA | NA | ND(0.0010) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.025) [ND(0.025)] | ND(0.025) | NA | NA | ND(0.030) | ND(0.025) | ND(0.025) |
| Benzene | 0.0015 [0.0016] | ND(0.0010) | NA | NA | 0.00020 J | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0020 J) | ND(0.0010) | ND(0.0010 J) |
| Carbon disulfide | ND(0.0050 J) [ND(0.0050 J)] | ND(0.0050 J) | NA | NA | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) |
| Carbon tetrachloride | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | 0.0092 [0.011] | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | 0.0046 | 0.0021 |
| Chloromethane (Methyl Chloride) | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010 J) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| cis-1,2-Dichloroethene | 0.0012 [0.0012] | ND(0.0010) | NA | NA | 0.0020 | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) [ND(0.0020)] | ND(0.0020) | NA | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.010 J) | ND(0.0050) | ND(0.0050 J) |
| Methyl cyclohexane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.020) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 55-1 03/20/03 | 55-2 03/20/03 | 55-3 06/12/02 | 55-3 03/21/03 | 55-3 10/08/04 | 55-4 06/12/02 | 55-4 03/21/03 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | 0.0020 | 0.015 (IDW,RDW) | 0.011 (IDW,RDW) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.030) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | 0.013 (IDW,RDW) [0.013 (IDW,RDW)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | NA | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | 0.0025 J | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND(0.0040) | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND(0.010) | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND(0.020) | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | ND(0.010 J) | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND(0.020) | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | ND(0.020) | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND(0.020) | NA |
| Acenaphthene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Acetophenone | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Anthracene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Atrazine | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | ND(0.0010) | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | ND(0.0020) | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | ND(0.0020) | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Biphenyl | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | ND(0.0010) | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 55-1 03/20/03 | 55-2 03/20/03 | 55-3 06/12/02 | 55-3 03/21/03 | 55-3 10/08/04 | 55-4 06/12/02 | 55-4 03/21/03 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Caprolactam | NA | NA | NA | NA | NA | 0.0018 J | NA |
| Carbazole | NA | NA | NA | NA | NA | ND(0.010) | NA |
| Chrysene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | ND(0.0020) | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | ND(0.0040) | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Fluoranthene | NA | NA | NA | NA | NA | ND(0.0020) | NA |
| Fluorene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | ND(0.0010) | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | ND(0.0020) | NA |
| Isophorone | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | ND(0.010) | NA |
| Naphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | ND(0.0020) | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | ND(0.020) | NA |
| Phenanthrene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Phenol | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Pyrene | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 55-1 03/20/03 | 55-2 03/20/03 | 55-3 06/12/02 | 55-3 03/21/03 | 55-3 10/08/04 | 55-4 06/12/02 | 55-4 03/21/03 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | ND(0.0012) | NA | ND(0.0012) | 0.00050 J |
| Arsenic | NA | NA | 0.069 (IDW,RDW) | 0.057 (IDW,RDW) | 0.086 (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| Barium | NA | NA | 0.13 J | 0.12 | NA | 0.25 J | 0.083 |
| Beryllium | NA | NA | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00040 J) | ND(0.00040) |
| Cadmium | NA | NA | 0.00016 J | 0.000049 J | NA | 0.00038 | 0.00012 J |
| Chromium Total | NA | NA | 0.0062 | 0.0011 | NA | 0.013 | 0.086 |
| Cobalt | NA | NA | 0.020 | 0.016 | NA | 0.0056 | 0.0024 |
| Copper | NA | NA | 0.013 | 0.0018 | NA | 0.0041 | 0.0043 |
| Cyanide (total) | NA | NA | NA | 0.0032 J | NA | NA | 0.13 |
| Lead | NA | NA | 0.0035 J | 0.00026 J | NA | 0.00039 J | ND(0.00040) |
| Manganese | NA | NA | 0.75 J | 0.095 | NA | 2.9 J (IDW,RDW) | 0.38 |
| Mercury | NA | NA | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) | ND(0.00020) |
| Nickel | NA | NA | 0.067 | 0.058 | NA | 0.041 | 0.048 |
| Selenium | NA | NA | 0.0015 J | 0.0035 | NA | 0.00076 J | ND(0.0016) |
| Silver | NA | NA | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00040 J) | ND(0.00040) |
| Thallium | NA | NA | 0.00012 J | ND(0.00020) | NA | 0.000050 J | 0.0040 (IDW,RDW) |
| Vanadium | NA | NA | 0.012 (RDW) | ND(0.00080) | NA | ND(0.00080) | ND(0.00080) |
| Zinc | NA | NA | 0.072 J | 0.030 | NA | 0.016 J | 0.0049 J |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: | 55-4 | 55-5 | 55-5 | 55-5 | 70-100 | 70-100 | 70-109 | 70-160 |
|---|---|---|---|---|---|---|---|---|
| Date Collected: | 10/08/04 | 06/12/02 | 03/20/03 | 10/04/04 | 06/13/02 | 03/27/03 | 03/26/03 | 06/17/02 |
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | 0.00030 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | 0.14 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.030) | 0.0022 J | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) |
| Benzene | 0.00050 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0030 | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | 0.00090 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.0070 | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00071 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.010 J) | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) |
| Methyl cyclohexane | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | 0.0040 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: | 55-4 | 55-5 | 55-5 | 55-5 | 70-100 | 70-100 | 70-109 | 70-160 |
|---|---|---|---|---|---|---|---|---|
| Date Collected: | 10/08/04 | 06/12/02 | 03/20/03 | 10/04/04 | 06/13/02 | 03/27/03 | 03/26/03 | 06/17/02 |
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | 0.0070 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | 0.010 J (IDW,RDW) | 0.0061 (IDW,RDW) | 0.022 (IDW,RDW) | 0.0029 J (IDW,RDW) | 0.0027 (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | 0.0050 J | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | ND(0.020 J) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(0.0010) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | 0.026 (IDW,RDW) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 55-4 10/08/04 | 55-5 06/12/02 | 55-5 03/20/03 | 55-5 10/04/04 | 70-100 06/13/02 | 70-100 03/27/03 | 70-109 03/26/03 | 70-160 06/17/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 0.00060 J | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Phenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 55-4 10/08/04 | 55-5 06/12/02 | 55-5 03/20/03 | 55-5 10/04/04 | 70-100 06/13/02 | 70-100 03/27/03 | 70-109 03/26/03 | 70-160 06/17/02 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | ND(0.0050) | NA | NA | NA | NA | NA | NA | ND(0.0012) |
| Arsenic | ND(0.0020) | NA | NA | NA | NA | NA | NA | 0.020 |
| Barium | NA | NA | NA | NA | NA | NA | NA | 0.28 |
| Beryllium | ND(0.0010) | NA | NA | NA | NA | NA | NA | ND(0.00040 J) |
| Cadmium | 0.00080 | NA | NA | NA | NA | NA | NA | ND(0.00020) |
| Chromium Total | 0.14 (IDW,RDW) | NA | NA | NA | NA | NA | NA | ND(0.00060) |
| Cobalt | NA | NA | NA | NA | NA | NA | NA | 0.00034 |
| Copper | NA | NA | NA | NA | NA | NA | NA | ND(0.0017) |
| Cyanide (total) | 0.086 | NA | NA | NA | NA | NA | NA | ND(0.0050) |
| Lead | ND(0.0030) | NA | NA | NA | NA | NA | NA | 0.000083 J |
| Manganese | 1.3 (RDW) | NA | NA | NA | NA | NA | NA | 0.11 J |
| Mercury | NA | NA | NA | NA | NA | NA | NA | 0.00018 J |
| Nickel | 0.055 | NA | NA | NA | NA | NA | NA | 0.0023 |
| Selenium | NA | NA | NA | NA | NA | NA | NA | ND(0.0014) |
| Silver | NA | NA | NA | NA | NA | NA | NA | ND(0.00040) |
| Thallium | ND(0.0020) | NA | NA | NA | NA | NA | NA | ND(0.00020) |
| Vanadium | NA | NA | NA | NA | NA | NA | NA | ND(0.00080) |
| Zinc | NA | NA | NA | NA | NA | NA | NA | 0.010 |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.0012) |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.022 |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.27 |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00040 J) |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00020) |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.00072 |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.00031 |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0012 |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.0050) |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00040) |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.11 |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00020) |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0021 |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.0014) |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00040) |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00020) |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00080) |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.011 |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 70-160 03/28/03 | 70-163 06/20/02 | 70-163 03/28/03 | 70-165 06/22/02 | 70-165 03/28/03 | 70-165 10/07/04 | 84-6 06/26/02 | 84-6R2 09/15/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,1-Dichloroethane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,1-Dichloroethene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND(0.0020) | ND(0.0050) | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,2-Dichlorobenzene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,2-Dichloroethane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,3-Dichlorobenzene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 1,4-Dichlorobenzene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| 2-Butanone (Methyl Ethyl Ketone) | NA | NA | NA | NA | NA | ND(0.030) | ND(0.025) | NA |
| 2-Hexanone | NA | NA | NA | NA | NA | ND(0.050) | ND(0.050) | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.050) | NA |
| Acetone | NA | NA | NA | NA | NA | ND(0.030) | ND(0.025) | NA |
| Benzene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Bromoform | NA | NA | NA | NA | NA | ND(0.0010 J) | ND(0.0010) | NA |
| Bromomethane (Methyl Bromide) | NA | NA | NA | NA | NA | ND(0.0020 J) | ND(0.0010) | NA |
| Carbon disulfide | NA | NA | NA | NA | NA | ND(0.0050 J) | ND(0.0050) | NA |
| Carbon tetrachloride | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Chlorobenzene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Chloroethane | NA | NA | NA | NA | NA | ND(0.0010 J) | ND(0.0010) | NA |
| Chloroform (Trichloromethane) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Chloromethane (Methyl Chloride) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Cyclohexane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0050) | NA |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Dichlorodifluoromethane (CFC-12) | NA | NA | NA | NA | NA | ND(0.0010 J) | ND(0.0010) | NA |
| Ethylbenzene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0050) | NA |
| m&p-Xylene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0020) | NA |
| Methyl acetate | NA | NA | NA | NA | NA | ND(0.010) | ND(0.0050) | NA |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND(0.020) | ND(0.0010) | NA |
| Methyl Tert Butyl Ether | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA |
| Methylene chloride | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA |
| o-Xylene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Styrene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Tetrachloroethene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Toluene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 70-160 03/28/03 | 70-163 06/20/02 | 70-163 03/28/03 | 70-165 06/22/02 | 70-165 03/28/03 | 70-165 10/07/04 | 84-6 06/26/02 | 84-6R2 09/15/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Trichlorofluoromethane (CFC-11) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA |
| Trifluorotrichloroethane (Freon 113) | NA | NA | NA | NA | NA | ND(0.030) | ND(0.0010 J) | NA |
| Vinyl chloride | NA | NA | NA | NA | NA | ND(0.0010) | 0.0013 | NA |
| Xylenes (total) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0020) | NA |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 70-160 03/28/03 | 70-163 06/20/02 | 70-163 03/28/03 | 70-165 06/22/02 | 70-165 03/28/03 | 70-165 10/07/04 | 84-6 06/26/02 | 84-6R2 09/15/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 70-160 03/28/03 | 70-163 06/20/02 | 70-163 03/28/03 | 70-165 06/22/02 | 70-165 03/28/03 | 70-165 10/07/04 | 84-6 06/26/02 | 84-6R2 09/15/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | ND(0.0012) [ND(0.0012)] | ND(0.0012) | ND(0.0012) | ND(0.0012) | 0.00060 J | NA | ND(0.0012) | 0.0019 J |
| Arsenic | 0.024 [0.025] | 0.0036 | 0.0053 | 0.0027 | 0.0029 | NA | 0.0096 J | 0.013 J |
| Barium | 0.29 [0.29] | 0.026 | 0.038 | 0.020 | 0.043 | NA | 0.085 | 0.17 |
| Beryllium | ND(0.00040) [ND(0.00040)] | ND(0.00040) | ND(0.00040) | ND(0.00040) | ND(0.00040) | NA | ND(0.00040) | 0.21 J (IDW,RDW) |
| Cadmium | ND(0.00020) [ND(0.00020)] | 0.00019 J | 0.00013 J | 0.000064 J | ND(0.00020) | NA | 0.00014 J | 0.0029 J |
| Chromium Total | 0.0014 [0.0014] | 0.00054 J | 0.00089 | 0.00042 J | 0.00093 | NA | 0.00090 | 0.010 J |
| Cobalt | 0.00096 [0.00094] | 0.0076 | 0.014 | 0.0019 | 0.0012 | NA | 0.0059 | 0.0083 |
| Copper | 0.0021 [0.0018] | 0.0037 | 0.0031 | 0.0048 | 0.0082 | NA | 0.0064 | 0.024 J |
| Cyanide (total) | ND(0.0050 J) [ND(0.0050 J)] | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | NA | ND(0.0050 J) | 0.0091 |
| Lead | 0.00042 [0.00042] | 0.00037 J | 0.00030 J | 0.00023 J | 0.027 (IDW,RDW) | 0.055 (IDW,RDW) | 0.00059 | 0.0026 |
| Manganese | 0.14 [0.14] | 2.1 (RDW) | 2.4 (RDW) | 1.2 J (RDW) | 0.46 | NA | 0.11 | 0.43 J |
| Mercury | ND(0.00020) [ND(0.00020)] | ND(0.00020) | ND(0.00020) | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) | 0.000082 J |
| Nickel | 0.0096 [0.0097] | 0.011 | 0.039 | 0.0042 | 0.021 | NA | 0.0076 | 0.029 J |
| Selenium | ND(0.0016) [ND(0.0016)] | 0.00058 J | 0.0047 J | 0.0031 | 0.0053 | NA | ND(0.0014) | 0.0025 J |
| Silver | ND(0.00040) [ND(0.00040)] | ND(0.00040 J) | ND(0.00040) | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00040 J) | 0.0019 J |
| Thallium | ND(0.00020) [ND(0.00020)] | 0.00017 J | 0.00018 J | ND(0.00020) | ND(0.00020) | NA | 0.00014 J | 0.0014 |
| Vanadium | 0.0012 [0.0012] | 0.00027 J | 0.00024 J | 0.00030 J | 0.00020 J | NA | 0.00026 J | ND(0.00080) |
| Zinc | 0.015 [0.016] | ND(0.035 J) | 0.0095 | 0.029 | 0.017 | NA | 0.036 J | 0.053 J |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | ND(0.0012) | NA | 0.0017 | NA | NA | ND(0.0012) | 0.0032 |
| Arsenic (Dissolved) | NA | 0.0019 | NA | 0.0029 | NA | NA | 0.0076 J | 0.0097 J |
| Barium (Dissolved) | NA | 0.019 | NA | 0.017 | NA | NA | 0.057 | 0.15 |
| Beryllium (Dissolved) | NA | ND(0.00040) | NA | ND(0.00040) | NA | NA | ND(0.00040) | 0.26 J (IDW,RDW) |
| Cadmium (Dissolved) | NA | ND(0.00020) | NA | ND(0.00020) | NA | NA | ND(0.00020) | 0.0025 J |
| Chromium Total (Dissolved) | NA | ND(0.00060) | NA | ND(0.00060) | NA | NA | 0.0030 | 0.0084 J |
| Cobalt (Dissolved) | NA | 0.0059 | NA | 0.0017 | NA | NA | 0.0039 | 0.0069 J |
| Copper (Dissolved) | NA | 0.0054 | NA | 0.015 | NA | NA | 0.0046 | 0.019 J |
| Cyanide (dissolved) | NA | ND(0.0050) | NA | ND(0.0050) | NA | NA | ND(0.0050 J) | 0.0050 |
| Lead (Dissolved) | NA | ND(0.00040) | NA | ND(0.00040) | NA | NA | ND(0.00040) | 0.0011 |
| Manganese (Dissolved) | NA | 1.6 (RDW) | NA | 1.1 J (RDW) | NA | NA | 0.077 | 0.35 |
| Mercury (Dissolved) | NA | 0.00013 J | NA | ND(0.00020) | NA | NA | ND(0.00020) | 0.000047 J |
| Nickel (Dissolved) | NA | 0.0092 | NA | 0.0035 | NA | NA | 0.0049 | 0.024 J |
| Selenium (Dissolved) | NA | ND(0.0014) | NA | 0.0027 | NA | NA | ND(0.0016) | ND(0.0016) |
| Silver (Dissolved) | NA | ND(0.00040 J) | NA | ND(0.00040 J) | NA | NA | ND(0.00040 J) | 0.0017 J |
| Thallium (Dissolved) | NA | ND(0.00020) | NA | ND(0.00020) | NA | NA | 0.00021 | 0.0012 |
| Vanadium (Dissolved) | NA | ND(0.00080) | NA | ND(0.00080) | NA | NA | ND(0.00080) | ND(0.00080) |
| Zinc (Dissolved) | NA | 0.011 J | NA | 0.010 | NA | NA | 0.019 | 0.039 J |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 84-6R2 10/05/04 | 84-6R2 06/09/05 | 84-6R2D 07/29/05 | 84-07D 07/28/05 | 84-07S 04/05/05 | 84-07S 06/08/05 | 86-3 12/19/02 | 86-100 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,1-Dichloroethane | 0.0030 J | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | 0.0070 | 0.0080 (IDW,RDW) | NA | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.010) | ND(0.020) | ND(0.0020) | ND(0.0020) | ND(0.010) | NA | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010 J) | ND(0.0050) | NA | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.10) | ND(0.30) | ND(0.030) | ND(0.030) | ND(0.10) | NA | ND(0.025) |
| 2-Hexanone | ND(0.050 J) | ND(0.30) | ND(0.50) | ND(0.050) | ND(0.050) | ND(0.30) | NA | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.0050) | ND(0.010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0050) | NA | ND(0.050) |
| Acetone | 0.0050 J | ND(0.10) | 0.10 J | 0.020 J | 0.0080 J | ND(0.10) | NA | ND(0.025) |
| Benzene | 0.26 (IDW,RDW) | 0.40 (IDW,RDW) | 0.35 (IDW,RDW) | 0.051 (IDW,RDW) | 0.0060 (IDW,RDW) | 0.0030 J | NA | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Bromoform | ND(0.0010 J) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010 J) | ND(0.0050) | NA | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020 J) | ND(0.010) | ND(0.020) | ND(0.0020) | R | ND(0.010) | NA | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.030) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.030) | NA | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Chloroethane | ND(0.0010 J) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.0020 | ND(0.0050) | ND(0.010) | 0.027 | 0.29 (IDW,RDW) | 0.32 (IDW,RDW) | NA | 0.047 |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Cyclohexane | ND(0.0010) | 0.0020 J | ND(0.010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0050) | NA | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0050) |
| m&p-Xylene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0020) |
| Methyl acetate | ND(0.010) | ND(0.050) | ND(0.10 J) | ND(0.010) | ND(0.010) | ND(0.050) | NA | ND(0.0050) |
| Methyl cyclohexane | ND(0.020) | ND(0.10) | ND(0.20) | ND(0.020) | ND(0.020) | ND(0.10) | NA | ND(0.0010) |
| Methyl Tert Butyl Ether | 0.00070 J | ND(0.030) | ND(0.050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.030) | NA | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.030) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.030) | NA | ND(0.0050 J) |
| o-Xylene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0050) | 0.0030 J | 0.00050 J | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0050) | ND(0.010) | 0.0020 | 0.020 | 0.027 | NA | 0.0082 |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 84-6R2 10/05/04 | 84-6R2 06/09/05 | 84-6R2D 07/29/05 | 84-07D 07/28/05 | 84-07S 04/05/05 | 84-07S 06/08/05 | 86-3 12/19/02 | 86-100 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0050) | ND(0.010) | 0.00070 J | 0.19 (IDW,RDW) | 0.26 (IDW,RDW) | NA | 0.032 (IDW,RDW) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.20) | ND(0.30) | ND(0.030) | ND(0.030) | ND(0.20) | NA | ND(0.0010) |
| Vinyl chloride | 0.0040 (IDW,RDW) | ND(0.0050) | ND(0.010) | 0.0080 (IDW,RDW) | 0.061 (IDW,RDW) | 0.11 (IDW,RDW) | NA | 0.047 J (IDW,RDW) |
| Xylenes (total) | ND(0.0010) | ND(0.0050) | ND(0.010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 84-6R2 10/05/04 | 84-6R2 06/09/05 | 84-6R2D 07/29/05 | 84-07D 07/28/05 | 84-07S 04/05/05 | 84-07S 06/08/05 | 86-3 12/19/02 | 86-100 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 84-6R2 10/05/04 | 84-6R2 06/09/05 | 84-6R2D 07/29/05 | 84-07D 07/28/05 | 84-07S 04/05/05 | 84-07S 06/08/05 | 86-3 12/19/02 | 86-100 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | NA | NA | NA | NA | ND(0.0012) | ND(0.0012) |
| Arsenic | NA | NA | NA | NA | NA | NA | 0.0042 J | 0.0029 |
| Barium | NA | NA | NA | NA | NA | NA | 0.25 J | 1.2 |
| Beryllium | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.00040) | ND(0.00040 J) |
| Cadmium | NA | NA | NA | NA | NA | NA | 0.000048 J | 0.00035 |
| Chromium Total | ND(0.0050) | NA | NA | NA | NA | NA | 0.00054 J | 0.00060 J |
| Cobalt | NA | NA | NA | NA | NA | NA | 0.0017 J | 0.0019 |
| Copper | NA | NA | NA | NA | NA | NA | 0.0027 J | 0.026 J |
| Cyanide (total) | NA | NA | NA | NA | NA | NA | ND(0.0050) | 0.011 |
| Lead | NA | NA | NA | NA | NA | NA | ND(0.00040) | 0.0034 |
| Manganese | NA | NA | NA | NA | NA | NA | 1.1 J (RDW) | 1.2 (RDW) |
| Mercury | NA | NA | NA | NA | NA | NA | ND(0.00020) | ND(0.00020) |
| Nickel | ND(0.0050) | NA | NA | NA | NA | NA | 0.0073 J | 0.0098 |
| Selenium | NA | NA | NA | NA | NA | NA | ND(0.0016) | ND(0.0014) |
| Silver | NA | NA | NA | NA | NA | NA | ND(0.00040 J) | 0.0013 |
| Thallium | NA | NA | NA | NA | NA | NA | ND(0.00020) | ND(0.00020) |
| Vanadium | NA | NA | NA | NA | NA | NA | ND(0.00080) | ND(0.00080) |
| Zinc | NA | NA | NA | NA | NA | NA | 0.020 J | 0.068 J |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 86-100 04/01/03 | 86-100 10/07/04 | 87-FP2 06/19/02 | 87-FP3 06/18/02 | 87-FP3 04/04/03 | 87-FP4 10/06/04 | 87-FP5 06/19/02 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00084 J | ND(0.0010) | 0.00030 J | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0012 | 0.0017 | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | 0.0018 | 0.054 | 0.015 | ND(0.0010) | 0.0012 |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.011 (IDW,RDW) | 0.020 (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00074 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050 J) |
| Acetone | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) | 0.0029 J |
| Benzene | ND(0.0010) | 0.00030 J | ND(0.0010) | 0.0010 | 0.0011 | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | 0.28 D | 0.12 D | ND(0.0010 J) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00040 J | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.0027 | 0.0080 | 0.011 | 0.19 D (IDW,RDW) | 0.20 D (IDW,RDW) | 0.0010 | 0.051 J |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | 0.015 J (IDW,RDW) | 0.018 (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | 0.0040 J | 0.00097 J | 0.0080 | 0.012 | ND(0.0010) | 0.0015 |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 86-100 04/01/03 | 86-100 10/07/04 | 87-FP2 06/19/02 | 87-FP3 06/18/02 | 87-FP3 04/04/03 | 87-FP4 10/06/04 | 87-FP5 06/19/02 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | 0.0018 | 0.0070 (IDW,RDW) | 0.014 (IDW,RDW) | 0.99 D (IDW,RDW) | 0.96 D (IDW,RDW) | 0.023 (IDW,RDW) | 0.011 J (IDW,RDW) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | 0.0090 (IDW,RDW) | 0.00070 J | 0.43 D (IDW,RDW) | 0.097 D (IDW,RDW) | ND(0.0010) | 0.0019 |
| Xylenes (total) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 86-100 04/01/03 | 86-100 10/07/04 | 87-FP2 06/19/02 | 87-FP3 06/18/02 | 87-FP3 04/04/03 | 87-FP4 10/06/04 | 87-FP5 06/19/02 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 86-100 04/01/03 | 86-100 10/07/04 | 87-FP2 06/19/02 | 87-FP3 06/18/02 | 87-FP3 04/04/03 | 87-FP4 10/06/04 | 87-FP5 06/19/02 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | 0.0057 | NA | NA | NA | NA | NA | NA |
| Arsenic | 0.0030 J | NA | NA | NA | NA | NA | NA |
| Barium | 0.66 | 1.4 | NA | NA | NA | NA | NA |
| Beryllium | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Cadmium | 0.0098 (IDW,RDW) | 0.00080 | NA | NA | NA | NA | NA |
| Chromium Total | 0.0034 | NA | NA | NA | NA | NA | NA |
| Cobalt | 0.072 (RDW) | NA | NA | NA | NA | NA | NA |
| Copper | 0.051 | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | 0.011 | NA | NA | NA | NA | NA | NA |
| Lead | 0.033 (IDW,RDW) | 0.0060 (IDW,RDW) | NA | NA | NA | NA | NA |
| Manganese | 1.7 J (RDW) | NA | NA | NA | NA | NA | NA |
| Mercury | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Nickel | 0.24 (IDW,RDW) | 0.0060 | NA | NA | NA | NA | NA |
| Selenium | 0.0059 J | NA | NA | NA | NA | NA | NA |
| Silver | 0.00037 J | NA | NA | NA | NA | NA | NA |
| Thallium | 0.00045 | NA | NA | NA | NA | NA | NA |
| Vanadium | ND(0.00080) | NA | NA | NA | NA | NA | NA |
| Zinc | 6.0 (IDW,RDW) | 0.042 | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 87-FP5 04/03/03 | 88-7 06/14/02 | 88-8 06/13/02 | 88-8 04/01/03 | 88-9 06/14/02 | 88-9 04/01/03 | ACSP-B2AR 12/13/02 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,1-Dichloroethane | 0.0016 | 0.00071 J | 0.00076 J | ND(0.0010) | 0.0010 | 0.0010 [ND(0.0010)] | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) [ND(0.025)] | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.050) [ND(0.050)] | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) [ND(0.025)] | 0.0012 J |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) |
| cis-1,2-Dichloroethene | 0.025 | ND(0.0010) | 0.00090 J | ND(0.0010) | 0.024 | 0.0016 [0.0014] | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0030) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0020) |
| Methyl acetate | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0030) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0030) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) [ND(0.0050)] | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| trans-1,2-Dichloroethene | 0.0011 | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0010 | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 87-FP5 04/03/03 | 88-7 06/14/02 | 88-8 06/13/02 | 88-8 04/01/03 | 88-9 06/14/02 | 88-9 04/01/03 | ACSP-B2AR 12/13/02 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | 0.0089 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | 0.0010 |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0030) |
| Vinyl chloride | 0.0020 | ND(0.0010) | 0.0038 (IDW,RDW) | 0.012 J (IDW,RDW) | 0.10 (IDW,RDW) | 0.10 D (IDW,RDW) [0.10 D (IDW,RDW)] | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0020) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 87-FP5 04/03/03 | 88-7 06/14/02 | 88-8 06/13/02 | 88-8 04/01/03 | 88-9 06/14/02 | 88-9 04/01/03 | ACSP-B2AR 12/13/02 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | 87-FP5 04/03/03 | 88-7 06/14/02 | 88-8 06/13/02 | 88-8 04/01/03 | 88-9 06/14/02 | 88-9 04/01/03 | ACSP-B2AR 12/13/02 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | NA | ND(0.0012) | NA | NA | NA | NA | NA |
| Arsenic | NA | 0.0031 | NA | NA | NA | NA | NA |
| Barium | NA | 0.53 | NA | NA | NA | NA | NA |
| Beryllium | NA | ND(0.00040 J) | NA | NA | NA | NA | NA |
| Cadmium | NA | 0.00040 | NA | NA | NA | NA | NA |
| Chromium Total | NA | 0.00055 J | NA | NA | NA | NA | NA |
| Cobalt | NA | 0.0011 | NA | NA | NA | NA | NA |
| Copper | NA | 0.0041 | NA | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | 0.00014 J | NA | NA | NA | NA | NA |
| Manganese | NA | 1.1 J (RDW) | NA | NA | NA | NA | NA |
| Mercury | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Nickel | NA | 0.0060 | NA | NA | NA | NA | NA |
| Selenium | NA | ND(0.0014) | NA | NA | NA | NA | NA |
| Silver | NA | 0.00064 J | NA | NA | NA | NA | NA |
| Thallium | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Vanadium | NA | ND(0.00080) | NA | NA | NA | NA | NA |
| Zinc | NA | 0.014 | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | BD01-02R 12/13/02 | BD01-02R 04/03/03 | BD01-02R 10/05/04 | BD01-04 04/24/03 | GM-1 10/06/04 | GM-11 10/06/04 | MW-21 03/20/03 | MW-22 06/25/02 | MW-22 03/20/03 | MW-23 06/25/02 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0050) | NA | ND(0.0050) | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,2-Dichloroethane | 0.0038 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,3-Dichlorobenzene | 0.0011 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| 2-Butanone (Methyl Ethyl Ketone) | 0.0013 J | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.030) | ND(0.025) | NA | ND(0.025) | NA |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.050) | ND(0.050) | NA | ND(0.050) | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | 0.0038 J | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.0010) | ND(0.050) | NA | ND(0.050) | NA |
| Acetone | 0.0019 J | ND(0.025) | ND(0.030) | 0.0018 J | ND(0.030) | ND(0.030) | ND(0.025) | NA | ND(0.025) | NA |
| Benzene | 0.087 D (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) | NA |
| Bromomethane (Methyl Bromide) | ND(0.0010 J) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0020 J) | ND(0.0020 J) | ND(0.0010) | NA | ND(0.0010) | NA |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | NA | ND(0.0050 J) | NA |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) | NA |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Chloromethane (Methyl Chloride) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010 J) | NA |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Cyclohexane | ND(0.0030) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0050) | NA |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | ND(0.0050) | NA |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) | NA | ND(0.0020) | NA |
| Methyl acetate | ND(0.0030) | ND(0.0050 J) | ND(0.010) | ND(0.0050) | ND(0.010 J) | ND(0.010) | ND(0.0050) | NA | ND(0.0050) | NA |
| Methyl cyclohexane | ND(0.0030) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.020) | ND(0.020) | ND(0.0010) | NA | ND(0.0010) | NA |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Toluene | 0.0012 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | BD01-02R 12/13/02 | BD01-02R 04/03/03 | BD01-02R 10/05/04 | BD01-04 04/24/03 | GM-1 10/06/04 | GM-11 10/06/04 | MW-21 03/20/03 | MW-22 06/25/02 | MW-22 03/20/03 | MW-23 06/25/02 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | 0.0010 J | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Trifluorotrichloroethane (Freon 113) | ND(0.0030) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.030) | ND(0.030) | ND(0.0010) | NA | ND(0.0010) | NA |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) | NA | ND(0.0020) | NA |
| **SVOC** | | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | ND(0.010) | ND(0.010) | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | ND(0.020) | ND(0.020) | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | ND(0.020) | ND(0.020) | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | ND(0.020) | ND(0.020) | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | ND(0.020) | ND(0.020) | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | ND(0.020) | ND(0.020) | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | ND(0.020) | ND(0.020 J) | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | ND(0.020) | ND(0.020) | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | ND(0.020) | ND(0.020) | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | ND(0.0020 J) | ND(0.0020 J) | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | ND(0.0050) | 0.00050 J | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | BD01-02R 12/13/02 | BD01-02R 04/03/03 | BD01-02R 10/05/04 | BD01-04 04/24/03 | GM-1 10/06/04 | GM-11 10/06/04 | MW-21 03/20/03 | MW-22 06/25/02 | MW-22 03/20/03 | MW-23 06/25/02 |
|---|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | ND(0.010) | ND(0.010) | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | ND(0.010) | ND(0.010) | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | ND(0.020) | ND(0.020) | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | ND(0.0020 J) | ND(0.0020 J) | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | ND(0.0020 J) | ND(0.0020 J) | NA | NA | NA | NA |
| **PCB** | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | ND(0.000010) | ND(0.000010) | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | ND(0.000010) | ND(0.000010) | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | ND(0.000010) | ND(0.000010) | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | ND(0.000010) | ND(0.000010) | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | ND(0.000010) | ND(0.000010) | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | ND(0.000010) | ND(0.000010) | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | ND(0.000010) | ND(0.000010) | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | ND(0.000010) | ND(0.000010) | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | BD01-02R 12/13/02 | BD01-02R 04/03/03 | BD01-02R 10/05/04 | BD01-04 04/24/03 | GM-1 10/06/04 | GM-11 10/06/04 | MW-21 03/20/03 | MW-22 06/25/02 | MW-22 03/20/03 | MW-23 06/25/02 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | | |
| Antimony | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | ND(0.0012) | NA | ND(0.0012) |
| Arsenic | NA | NA | NA | NA | 0.032 | 0.014 | NA | NA | NA | NA |
| Barium | NA | NA | NA | NA | 0.034 | 0.12 | NA | NA | NA | NA |
| Beryllium | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | ND(0.00050) | ND(0.00050) | NA | NA | NA | NA |
| Chromium Total | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Cobalt | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | ND(0.0030) | ND(0.0030) | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | 0.039 | 0.25 | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | ND(0.00010) | ND(0.00010) | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Selenium | NA | NA | NA | NA | ND(0.0050) | 0.010 | NA | 0.00073 J | NA | 0.00070 J |
| Silver | NA | NA | NA | NA | ND(0.00050) | ND(0.00050) | NA | NA | NA | NA |
| Thallium | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA | NA | NA |
| Vanadium | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | ND(0.0050) | 0.011 | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | MW-23 03/20/03 | MW-23 10/04/04 | MW-24 06/26/02 | MW-24 03/20/03 | MW-25 06/26/02 | MW-25 03/21/03 | MW-25 10/05/04 | MW-25 02/25/05 | MW-26 06/26/02 | MW-26 03/24/03 | MW-26 10/05/04 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.0031 | 0.0018 | 0.0030 |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | 0.00051 J | ND(0.0010) | ND(0.0010) | NA | 0.0045 | 0.0017 | 0.0060 J |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0020) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0020) | NA | ND(0.0050) | ND(0.0050) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.030) | NA | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) | NA | ND(0.025) | ND(0.025) | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.0010) | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.0010) | NA | ND(0.050) | ND(0.050) | ND(0.0010) |
| Acetone | ND(0.025) | ND(0.030) | NA | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) | NA | 0.0035 J | ND(0.025) | ND(0.030) |
| Benzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0020 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0020 J) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0020 J) |
| Carbon disulfide | ND(0.0050 J) | ND(0.0050) | NA | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | NA | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | 0.0021 | ND(0.0010) | 0.0020 J |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010 J) | 0.0026 | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0080 | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0010) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) | NA | 0.034 | 0.0053 | 0.0020 J |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.00057 J | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0010) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) | NA | 0.0036 J | ND(0.0050) | ND(0.0010) |
| m&p-Xylene | ND(0.0020) | ND(0.0010) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | NA | ND(0.0020) | ND(0.0020) | ND(0.0010) |
| Methyl acetate | ND(0.0050) | ND(0.010) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.010) | NA | ND(0.0050) | ND(0.0050) | 0.0060 J |
| Methyl cyclohexane | ND(0.0010) | ND(0.020) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.020) | NA | 0.12 EJ | 0.010 | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00050 J | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | MW-23 03/20/03 | MW-23 10/04/04 | MW-24 06/26/02 | MW-24 03/20/03 | MW-25 06/26/02 | MW-25 03/21/03 | MW-25 10/05/04 | MW-25 02/25/05 | MW-26 06/26/02 | MW-26 03/24/03 | MW-26 10/05/04 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.030) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.030) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.030) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0010) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | NA | ND(0.0020) | ND(0.0020) | ND(0.0010) |
| **SVOC** | | | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
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**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | MW-23 03/20/03 | MW-23 10/04/04 | MW-24 06/26/02 | MW-24 03/20/03 | MW-25 06/26/02 | MW-25 03/21/03 | MW-25 10/05/04 | MW-25 02/25/05 | MW-26 06/26/02 | MW-26 03/24/03 | MW-26 10/05/04 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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**(in mg/L)**

**RFI PHASE II REPORT**
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| Sample ID: / Date Collected: | MW-23 03/20/03 | MW-23 10/04/04 | MW-24 06/26/02 | MW-24 03/20/03 | MW-25 06/26/02 | MW-25 03/21/03 | MW-25 10/05/04 | MW-25 02/25/05 | MW-26 06/26/02 | MW-26 03/24/03 | MW-26 10/05/04 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | | | |
| Antimony | NA | NA | 0.00059 J | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium | NA | 0.18 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | 0.00030 J | NA | NA | ND(0.0010) | NA | NA | NA |
| Manganese | NA | NA | NA | NA | 0.10 | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium | NA | ND(0.0050) | ND(0.0014) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | ND(0.00040) | NA | NA | ND(0.0010) | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | 0.070 | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | MW-26 02/28/05 | RFI-02-05 12/16/02 | RFI-02-07 06/27/02 | RFI-02-07 03/27/03 | RFI-02-08R 06/25/02 | RFI-02-08R 04/04/05 | RFI-02-12 03/26/03 | RFI-02-12 10/05/04 | RFI-02-12 02/24/05 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,1-Dichloroethane | NA | NA | NA | NA | 0.0023 | NA | NA | ND(0.0010) [ND(0.0010)] | 0.00060 J |
| 1,1-Dichloroethene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | ND(0.0050) | NA | NA | ND(0.0020) [ND(0.0020)] | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2-Dichlorobenzene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2-Dichloroethane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,2-Dichloropropane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,3-Dichlorobenzene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 1,4-Dichlorobenzene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | NA | NA | NA | NA | ND(0.025) | NA | NA | 0.0070 J [0.0070 J] | 0.14 J |
| 2-Hexanone | NA | NA | NA | NA | ND(0.050) | NA | NA | ND(0.050) [ND(0.050)] | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | NA | NA | NA | ND(0.050) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Acetone | NA | NA | NA | NA | ND(0.025) | NA | NA | 2.0 (RDW) [2.4 EJ (IDW,RDW)] | 47 Y (IDW,RDW) |
| Benzene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Bromodichloromethane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Bromoform | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) |
| Bromomethane (Methyl Bromide) | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0020 J) [ND(0.0020 J)] | R |
| Carbon disulfide | NA | NA | NA | NA | ND(0.0050) | NA | NA | ND(0.0050 J) [ND(0.0050 J)] | ND(0.0050) |
| Carbon tetrachloride | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Chlorobenzene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Chloroethane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) |
| Chloroform (Trichloromethane) | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Chloromethane (Methyl Chloride) | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| cis-1,2-Dichloroethene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Cyclohexane | NA | NA | NA | NA | ND(0.0050) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Dibromochloromethane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010 J)] | ND(0.0010) |
| Ethylbenzene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Isopropylbenzene | NA | NA | NA | NA | ND(0.0050) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| m&p-Xylene | NA | NA | NA | NA | ND(0.0020) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Methyl acetate | NA | NA | NA | NA | ND(0.0050) | NA | NA | 0.0070 J [0.0070 J] | 0.18 |
| Methyl cyclohexane | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.020) [0.00020 J] | ND(0.020) |
| Methyl Tert Butyl Ether | NA | NA | NA | NA | ND(0.0050) | NA | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) |
| Methylene chloride | NA | NA | NA | NA | ND(0.0050) | NA | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) |
| o-Xylene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Styrene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Tetrachloroethene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Toluene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| trans-1,2-Dichloroethene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | MW-26 02/28/05 | RFI-02-05 12/16/02 | RFI-02-07 06/27/02 | RFI-02-07 03/27/03 | RFI-02-08R 06/25/02 | RFI-02-08R 04/04/05 | RFI-02-12 03/26/03 | RFI-02-12 10/05/04 | RFI-02-12 02/24/05 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.030) [ND(0.030)] | ND(0.030) |
| Vinyl chloride | NA | NA | NA | NA | ND(0.0010) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| Xylenes (total) | NA | NA | NA | NA | ND(0.0020) | NA | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND(0.010) | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND(0.020 J) | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND(0.020) | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | ND(0.020 J) | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND(0.020) | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: | MW-26 | RFI-02-05 | RFI-02-07 | RFI-02-07 | RFI-02-08R | RFI-02-08R | RFI-02-12 | RFI-02-12 | RFI-02-12 |
|---|---|---|---|---|---|---|---|---|---|
| Date Collected: | 02/28/05 | 12/16/02 | 06/27/02 | 03/27/03 | 06/25/02 | 04/04/05 | 03/26/03 | 10/05/04 | 02/24/05 |
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | ND(0.010) | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | ND(0.010) | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | ND(0.0010) | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | MW-26 02/28/05 | RFI-02-05 12/16/02 | RFI-02-07 06/27/02 | RFI-02-07 03/27/03 | RFI-02-08R 06/25/02 | RFI-02-08R 04/04/05 | RFI-02-12 03/26/03 | RFI-02-12 10/05/04 | RFI-02-12 02/24/05 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | ND(0.0012) | ND(0.0012) | ND(0.0012) | NA | NA | ND(0.0012) | NA | NA |
| Arsenic | NA | 0.0014 | 0.00060 J | ND(0.0010) | NA | NA | ND(0.0010) | NA | NA |
| Barium | NA | 0.12 J | 0.086 | 0.11 | NA | NA | 0.073 | NA | NA |
| Beryllium | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040) | NA | NA | ND(0.00040) | NA | NA |
| Cadmium | NA | 0.00011 J | ND(0.00020) | 0.00012 J | NA | NA | ND(0.00020) | NA | NA |
| Chromium Total | NA | 0.0050 | 0.00054 J | 0.0016 | NA | NA | 0.00070 | NA | NA |
| Cobalt | NA | 0.00064 J | 0.00035 | 0.0024 | NA | NA | 0.00030 | NA | NA |
| Copper | NA | 0.021 J | 0.0019 | 0.0032 | NA | NA | 0.0019 | NA | NA |
| Cyanide (total) | NA | NA | ND(0.0050 J) | ND(0.0050) | NA | NA | 0.0048 J | NA | NA |
| Lead | 0.0040 | 0.0021 J | 0.00030 J | 0.00015 J | NA | NA | ND(0.00040) | NA | NA |
| Manganese | NA | 2.0 (RDW) | 0.45 | 2.2 (RDW) | NA | NA | 0.083 | NA | NA |
| Mercury | NA | ND(0.00020) | ND(0.00020) | 0.00015 J | NA | NA | ND(0.00020) | NA | NA |
| Nickel | NA | 0.012 J | 0.0029 | 0.026 | NA | NA | 0.0084 | NA | NA |
| Selenium | NA | 0.0022 J | ND(0.0014) | ND(0.0016) | NA | NA | ND(0.0016) | NA | NA |
| Silver | NA | ND(0.00040 J) | ND(0.00040 J) | ND(0.00040) | NA | NA | ND(0.00040) | NA | NA |
| Thallium | NA | 0.00012 J | 0.000062 J | 0.000086 J | NA | NA | ND(0.00020) | NA | NA |
| Vanadium | NA | 0.00027 J | ND(0.00080) | ND(0.00080) | NA | NA | 0.00027 J | NA | NA |
| Zinc | NA | 0.060 J | 0.017 | 0.011 | NA | NA | 0.0066 | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | ND(0.0012) | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | 0.0011 J | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | 0.074 | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | 0.0034 | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | 0.00074 | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | 0.0031 | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | ND(0.0050 J) | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | 0.0020 | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | 0.38 | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | 0.0042 | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | ND(0.0014) | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | ND(0.00040 J) | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | ND(0.00080) | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | 0.014 | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-02-13 12/19/02 | RFI-02-13 10/07/04 | RFI-02-19 04/08/05 | RFI-02-20 04/05/05 | RFI-02-21 04/05/05 | RFI-02-22 04/05/05 | RFI-02-24 04/05/05 | RFI-03-02 06/13/02 | RFI-03-04 06/13/02 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,1,2-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,1-Dichloroethane | NA | ND(0.0010) | ND(0.0010) | 0.0010 J | 0.00060 J | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,1-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,2,4-Trichlorobenzene | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0050) [ND(0.0050)] | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) [ND(0.0010)] | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,2-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,2-Dichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,2-Dichloropropane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,3-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 1,4-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| 2-Butanone (Methyl Ethyl Ketone) | NA | ND(0.030) | ND(0.030) | 0.020 J | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.025) [ND(0.025)] | NA |
| 2-Hexanone | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.050) [ND(0.050)] | NA |
| Acetone | NA | ND(0.030) | 0.0060 J | 2.3 (IDW,RDW) | 0.0080 J | 0.010 J | ND(0.030 J) | ND(0.025) [ND(0.025)] | NA |
| Benzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00020 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Bromodichloromethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Bromoform | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) [ND(0.0010)] | NA |
| Bromomethane (Methyl Bromide) | NA | ND(0.0020 J) | R | R | R | R | R | ND(0.0010) [ND(0.0010)] | NA |
| Carbon disulfide | NA | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA |
| Carbon tetrachloride | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Chlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Chloroethane | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Chloroform (Trichloromethane) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Chloromethane (Methyl Chloride) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| cis-1,2-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00030 J | 0.00080 J | ND(0.0010) [ND(0.0010)] | NA |
| cis-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Cyclohexane | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0050) [ND(0.0050)] | NA |
| Dibromochloromethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Dichlorodifluoromethane (CFC-12) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Ethylbenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Isopropylbenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] | NA |
| m&p-Xylene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020) [ND(0.0020)] | NA |
| Methyl acetate | NA | ND(0.010 J) | ND(0.010) | 0.010 J | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.0050) [ND(0.0050)] | NA |
| Methyl cyclohexane | NA | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.020 J) | ND(0.020 J) | ND(0.020) | ND(0.0010) [ND(0.0010)] | NA |
| Methyl Tert Butyl Ether | NA | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) [ND(0.0050)] | NA |
| Methylene chloride | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA |
| o-Xylene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Styrene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Tetrachloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Toluene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| trans-1,2-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| trans-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-02-13 12/19/02 | RFI-02-13 10/07/04 | RFI-02-19 04/08/05 | RFI-02-20 04/05/05 | RFI-02-21 04/05/05 | RFI-02-22 04/05/05 | RFI-02-24 04/05/05 | RFI-03-02 06/13/02 | RFI-03-04 06/13/02 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00020 J | ND(0.0010) | 0.0021 [0.0020] | NA |
| Trichlorofluoromethane (CFC-11) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Trifluorotrichloroethane (Freon 113) | NA | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.0010) [ND(0.0010)] | NA |
| Vinyl chloride | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA |
| Xylenes (total) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020) [ND(0.0020)] | NA |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-02-13 12/19/02 | RFI-02-13 10/07/04 | RFI-02-19 04/08/05 | RFI-02-20 04/05/05 | RFI-02-21 04/05/05 | RFI-02-22 04/05/05 | RFI-02-24 04/05/05 | RFI-03-02 06/13/02 | RFI-03-04 06/13/02 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
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**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-02-13 12/19/02 | RFI-02-13 10/07/04 | RFI-02-19 04/08/05 | RFI-02-20 04/05/05 | RFI-02-21 04/05/05 | RFI-02-22 04/05/05 | RFI-02-24 04/05/05 | RFI-03-02 06/13/02 | RFI-03-04 06/13/02 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | ND(0.0012) | NA | NA | NA | NA | NA | NA | ND(0.0012) [ND(0.0012)] | ND(0.0012) |
| Arsenic | 0.0025 J | NA | NA | NA | NA | NA | NA | 0.0031 [0.0026] | 0.012 |
| Barium | 0.016 J | NA | NA | NA | NA | NA | NA | 0.20 J [0.21 J] | 0.46 J |
| Beryllium | ND(0.00040) | NA | NA | NA | NA | NA | NA | ND(0.00040 J) [ND(0.00040 J)] | ND(0.00040 J) |
| Cadmium | 0.000083 J | NA | NA | NA | NA | NA | NA | 0.000090 J [0.000090 J] | 0.000050 J |
| Chromium Total | 0.0012 J | NA | NA | NA | NA | NA | NA | 0.0017 [0.0012] | 0.00078 |
| Cobalt | 0.00058 J | NA | NA | NA | NA | NA | NA | 0.00030 [0.00030] | 0.0012 |
| Copper | 0.0044 J | NA | NA | NA | NA | NA | NA | 0.022 [0.0083] | 0.0057 |
| Cyanide (total) | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | 0.0011 J | NA | NA | NA | NA | NA | NA | 0.0013 J [0.0011 J] | 0.00040 J |
| Manganese | 0.38 J | 2.3 (RDW) | NA | NA | NA | NA | NA | 0.17 [0.17] | 0.63 J |
| Mercury | ND(0.00020) | NA | NA | NA | NA | NA | NA | ND(0.00020) [ND(0.00020)] | ND(0.00020) |
| Nickel | 0.0051 J | NA | NA | NA | NA | NA | NA | 0.0030 [0.0028] | 0.0027 |
| Selenium | ND(0.0016) | NA | NA | NA | NA | NA | NA | 0.00060 J [ND(0.0014)] | ND(0.0014) |
| Silver | ND(0.00040 J) | NA | NA | NA | NA | NA | NA | ND(0.00040 J) [ND(0.00040 J)] | ND(0.00040 J) |
| Thallium | 0.00052 J | NA | NA | NA | NA | NA | NA | ND(0.00020) [ND(0.00020)] | ND(0.00020) |
| Vanadium | 0.00062 J | NA | NA | NA | NA | NA | NA | ND(0.00080) [ND(0.00080)] | ND(0.00080) |
| Zinc | 0.0097 J | NA | NA | NA | NA | NA | NA | 0.011 J [0.0089 J] | 0.015 J |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-01 06/20/02 | RFI-05-01 03/31/03 | RFI-05-02 04/03/03 | RFI-05-04 06/21/02 | RFI-05-05 06/21/02 | RFI-05-05 04/03/03 | RFI-05-06 06/20/02 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.00095 J | ND(0.0010) | NA | 0.00084 J | ND(0.0010) | ND(0.0010) | 0.0011 |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | NA | ND(0.025 J) | ND(0.025 J) | ND(0.025) | ND(0.025 J) |
| 2-Hexanone | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | NA | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | 0.00099 J | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.0078 | 0.0090 | NA | 0.0090 | 0.0025 | 0.0014 | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | 0.00066 J | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | 0.00053 J | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-01 06/20/02 | RFI-05-01 03/31/03 | RFI-05-02 04/03/03 | RFI-05-04 06/21/02 | RFI-05-05 06/21/02 | RFI-05-05 04/03/03 | RFI-05-06 06/20/02 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | 0.0081 (IDW,RDW) | 0.0094 (IDW,RDW) | NA | 0.024 (IDW,RDW) | 0.016 (IDW,RDW) | 0.0099 (IDW,RDW) | 0.00070 J |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | 0.0022 (IDW,RDW) | 0.0035 (IDW,RDW) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-01 06/20/02 | RFI-05-01 03/31/03 | RFI-05-02 04/03/03 | RFI-05-04 06/21/02 | RFI-05-05 06/21/02 | RFI-05-05 04/03/03 | RFI-05-06 06/20/02 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-01 06/20/02 | RFI-05-01 03/31/03 | RFI-05-02 04/03/03 | RFI-05-04 06/21/02 | RFI-05-05 06/21/02 | RFI-05-05 04/03/03 | RFI-05-06 06/20/02 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | ND(0.0012) | NA | ND(0.0012) [ND(0.0012)] | NA | NA | ND(0.0012) | NA |
| Arsenic | 0.010 | NA | 0.0011 J [0.00085 J] | NA | NA | 0.0040 | NA |
| Barium | 0.12 | NA | 0.22 [0.21] | NA | NA | 0.11 | NA |
| Beryllium | ND(0.00040) | NA | ND(0.00040) [ND(0.00040)] | NA | NA | ND(0.00040) | NA |
| Cadmium | ND(0.00020) | NA | 0.0034 [0.0032] | NA | NA | 0.00012 J | NA |
| Chromium Total | 0.00071 | NA | 0.0016 [0.0014] | NA | NA | 0.00048 J | NA |
| Cobalt | 0.0026 | NA | 0.096 (RDW) [0.088 (RDW)] | NA | NA | 0.0031 | NA |
| Copper | 0.0023 | NA | 0.010 [0.0086] | NA | NA | 0.0039 | NA |
| Cyanide (total) | ND(0.0050) | NA | ND(0.0050) [ND(0.0050)] | NA | NA | ND(0.0050) | NA |
| Lead | 0.0017 | NA | 0.0022 [0.0021] | NA | NA | 0.0025 | NA |
| Manganese | 0.78 | NA | 1.9 J (RDW) [1.8 J (RDW)] | NA | NA | 0.76 J | NA |
| Mercury | ND(0.00020) | NA | ND(0.00020) [ND(0.00020)] | NA | NA | ND(0.00020) | NA |
| Nickel | 0.033 | NA | 0.21 (IDW,RDW) [0.20 (IDW,RDW)] | NA | NA | 0.012 | NA |
| Selenium | ND(0.0014) | NA | 0.0023 J [0.0019] | NA | NA | ND(0.0016) | NA |
| Silver | ND(0.00040 J) | NA | 0.000094 J [0.00015 J] | NA | NA | ND(0.00040 J) | NA |
| Thallium | 0.00019 J | NA | 0.00086 [0.0011] | NA | NA | 0.00027 | NA |
| Vanadium | ND(0.00080) | NA | ND(0.00080) [ND(0.00080)] | NA | NA | ND(0.00080) | NA |
| Zinc | ND(0.013 J) | NA | 0.035 [0.035] | NA | NA | 0.011 | NA |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-08R 06/12/02 | RFI-05-08R 03/27/03 | RFI-05-10 04/02/03 | RFI-05-10 10/12/04 | RFI-05-12 06/14/02 | RFI-05-19DR 12/18/02 | RFI-05-19S 06/12/02 | RFI-05-19S 03/28/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1,2-Trichloroethane | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1-Dichloroethane | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1-Dichloroethene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2,4-Trichlorobenzene | ND(0.0050) | NA | NA | ND(0.0020) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichlorobenzene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichloroethane | ND(0.0010) | NA | NA | ND(0.0010) | NA | 0.0012 | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichloropropane | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,3-Dichlorobenzene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,4-Dichlorobenzene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | NA | NA | ND(0.030) | NA | ND(0.025) | ND(0.025) | ND(0.025) [ND(0.025)] |
| 2-Hexanone | ND(0.050) | NA | NA | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | NA | NA | ND(0.0010) | NA | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] |
| Acetone | ND(0.025) | NA | NA | 0.19 J | NA | ND(0.025) | ND(0.025) | ND(0.025) [ND(0.025)] |
| Benzene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Bromodichloromethane | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Bromoform | ND(0.0010) | NA | NA | ND(0.0010 J) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Bromomethane (Methyl Bromide) | ND(0.0010) | NA | NA | ND(0.0020 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Carbon disulfide | ND(0.0050) | NA | NA | ND(0.0050 J) | NA | 0.00055 J | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Carbon tetrachloride | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chlorobenzene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chloroethane | ND(0.0010) | NA | NA | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chloroform (Trichloromethane) | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chloromethane (Methyl Chloride) | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| cis-1,2-Dichloroethene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | 0.046 | 0.034 [0.032] |
| cis-1,3-Dichloropropene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Cyclohexane | ND(0.0050) | NA | NA | ND(0.0010) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Dibromochloromethane | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Ethylbenzene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Isopropylbenzene | ND(0.0050) | NA | NA | ND(0.0010) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| m&p-Xylene | ND(0.0020) | NA | NA | ND(0.0010) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) [ND(0.0020)] |
| Methyl acetate | ND(0.0050) | NA | NA | 0.080 J | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Methyl cyclohexane | ND(0.0010) | NA | NA | ND(0.020) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Methyl Tert Butyl Ether | ND(0.0050) | NA | NA | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Methylene chloride | ND(0.0050) | NA | NA | 0.00040 J | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| o-Xylene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Styrene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Tetrachloroethene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Toluene | ND(0.0010) | NA | NA | 0.00020 J | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| trans-1,2-Dichloroethene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | 0.00089 J | ND(0.0010) [ND(0.0010)] |
| trans-1,3-Dichloropropene | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-08R 06/12/02 | RFI-05-08R 03/27/03 | RFI-05-10 04/02/03 | RFI-05-10 10/12/04 | RFI-05-12 06/14/02 | RFI-05-19DR 12/18/02 | RFI-05-19S 06/12/02 | RFI-05-19S 03/28/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | NA | NA | 0.00040 J | NA | ND(0.0010) | 0.020 (IDW,RDW) | 0.021 (IDW,RDW) [0.021 (IDW,RDW)] |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | NA | NA | ND(0.030) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Vinyl chloride | ND(0.0010) | NA | NA | ND(0.0010) | NA | ND(0.0010) | 0.016 J (IDW,RDW) | 0.0074 (IDW,RDW) [0.0070 (IDW,RDW)] |
| Xylenes (total) | ND(0.0020) | NA | NA | ND(0.0010) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) [ND(0.0020)] |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | ND(0.0040) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | ND(0.010 J) | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(0.0010) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | ND(0.0010) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-08R 06/12/02 | RFI-05-08R 03/27/03 | RFI-05-10 04/02/03 | RFI-05-10 10/12/04 | RFI-05-12 06/14/02 | RFI-05-19DR 12/18/02 | RFI-05-19S 06/12/02 | RFI-05-19S 03/28/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | ND(0.0040) | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | ND(0.0010) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Phenol | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-08R 06/12/02 | RFI-05-08R 03/27/03 | RFI-05-10 04/02/03 | RFI-05-10 10/12/04 | RFI-05-12 06/14/02 | RFI-05-19DR 12/18/02 | RFI-05-19S 06/12/02 | RFI-05-19S 03/28/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | ND(0.0012) | ND(0.0012) | ND(0.0012) | NA | ND(0.0012) | 0.00058 J | ND(0.0012) | ND(0.0012) |
| Arsenic | ND(0.0010) | 0.0017 | 0.00085 J | NA | 0.046 | 0.017 J | ND(0.0010) | ND(0.0010) |
| Barium | 0.21 J | 0.25 | 0.22 | NA | 0.27 | 0.49 J | 0.10 J | 0.091 |
| Beryllium | ND(0.00040 J) | ND(0.00040) | ND(0.00040) | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040 J) | ND(0.00040) |
| Cadmium | 0.00016 J | 0.00021 | 0.0031 | NA | 0.00013 J | 0.00017 J | 0.00029 | 0.00024 |
| Chromium Total | 0.00077 | 0.0012 | 0.0015 | NA | 0.0010 | 0.00076 J | 0.00091 | 0.0012 |
| Cobalt | 0.0013 | 0.0012 | 0.099 (RDW) | NA | 0.0030 | 0.0037 J | 0.0098 | 0.011 |
| Copper | 0.0041 | 0.0022 | 0.0078 | NA | 0.0068 | 0.0020 J | 0.0039 | 0.0039 |
| Cyanide (total) | NA | ND(0.0050) | 0.0024 J | NA | NA | ND(0.0050) | NA | ND(0.0050) |
| Lead | 0.00049 | 0.00088 | 0.0017 | NA | 0.0013 | 0.00019 J | 0.00013 J | 0.00022 J |
| Manganese | 0.91 J (RDW) | 0.47 | 1.9 J (RDW) | NA | 0.39 J | 0.88 (RDW) | 2.7 J (IDW,RDW) | 1.0 (RDW) |
| Mercury | ND(0.00020) | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) | ND(0.00020) |
| Nickel | 0.0058 J | 0.013 | 0.22 (IDW,RDW) | 0.015 | 0.020 | 0.011 J | 0.026 | 0.034 |
| Selenium | 0.0012 J | ND(0.0016 J) | 0.0041 | NA | ND(0.0014) | ND(0.0016) | ND(0.0014) | ND(0.0016) |
| Silver | 0.00015 J | ND(0.00040) | ND(0.00040) | NA | ND(0.00040) | 0.00059 J | ND(0.00040 J) | ND(0.00040) |
| Thallium | 0.00059 | 0.000072 J | 0.00063 | NA | ND(0.00020) | 0.00028 J | 0.00072 | 0.00030 |
| Vanadium | 0.00044 J | ND(0.00080) | ND(0.00080) | NA | ND(0.00080) | ND(0.00080) | ND(0.00080) | ND(0.00080) |
| Zinc | 0.011 J | 0.014 | 0.034 | NA | 0.012 | 0.017 J | 0.0065 J | 0.028 |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | ND(0.0012) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | 0.0016 | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | 0.18 | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | ND(0.00040) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | ND(0.00020) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | 0.0015 | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | 0.00094 | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | ND(0.0093) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | ND(0.00040) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | 0.77 J | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | 0.00013 J | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | 0.0050 | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | 0.0017 J | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | ND(0.00040 J) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | ND(0.00020) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | ND(0.00080) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | 0.014 J | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-20 06/12/02 | RFI-05-20 04/03/03 | RFI-05-21 03/27/03 | RFI-05-30 06/12/02 | RFI-05-30 10/04/04 | RFI-07-01R 09/15/03 | RFI-07-08 06/20/02 | RFI-07-08 10/06/04 | RFI-09-01 06/24/02 | RFI-09-01R 03/24/03 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.0010 | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | ND(0.0020) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | NA | 0.00069 J | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | NA | ND(0.025) | ND(0.030) | ND(0.025) | NA | ND(0.030) | 0.0011 J | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050 J) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.0010) | ND(0.050) | NA | ND(0.0010) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | NA | ND(0.025) | ND(0.030) | ND(0.025) | NA | ND(0.030) | 0.0024 J | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | 0.00020 J | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | NA | ND(0.0020 J) | ND(0.0010) | ND(0.0010 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| cis-1,2-Dichloroethene | 0.0017 | 0.0013 | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | 0.0012 | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0010) | ND(0.0020) | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.010) | ND(0.0050) | NA | ND(0.010) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.020) | ND(0.0010) | NA | ND(0.020) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | 0.00053 J | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.00050 J | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-20 06/12/02 | RFI-05-20 04/03/03 | RFI-05-21 03/27/03 | RFI-05-30 06/12/02 | RFI-05-30 10/04/04 | RFI-07-01R 09/15/03 | RFI-07-08 06/20/02 | RFI-07-08 10/06/04 | RFI-09-01 06/24/02 | RFI-09-01R 03/24/03 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | | |
| Trichloroethene | 0.14 D (IDW,RDW) | 0.17 D (IDW,RDW) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | 0.0013 | 0.0015 |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.030) | ND(0.0010) | NA | ND(0.030) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | 0.0022 (IDW,RDW) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0010) | ND(0.0020) | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-20 06/12/02 | RFI-05-20 04/03/03 | RFI-05-21 03/27/03 | RFI-05-30 06/12/02 | RFI-05-30 10/04/04 | RFI-07-01R 09/15/03 | RFI-07-08 06/20/02 | RFI-07-08 10/06/04 | RFI-09-01 06/24/02 | RFI-09-01R 03/24/03 |
|---|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-05-20 06/12/02 | RFI-05-20 04/03/03 | RFI-05-21 03/27/03 | RFI-05-30 06/12/02 | RFI-05-30 10/04/04 | RFI-07-01R 09/15/03 | RFI-07-08 06/20/02 | RFI-07-08 10/06/04 | RFI-09-01 06/24/02 | RFI-09-01R 03/24/03 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | NA | NA | NA | ND(0.0012) | NA | NA | NA |
| Arsenic | NA | NA | 0.035 | NA | NA | NA | 0.0011 | NA | NA | NA |
| Barium | NA | NA | 0.43 | NA | NA | NA | 0.076 | NA | NA | NA |
| Beryllium | NA | NA | ND(0.00040) | NA | NA | NA | ND(0.00040) | ND(0.0010) | NA | NA |
| Cadmium | NA | NA | ND(0.00020) | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Chromium Total | NA | NA | 0.0013 | NA | NA | NA | 0.00056 J | NA | NA | NA |
| Cobalt | NA | NA | 0.0029 | NA | NA | NA | 0.00029 | NA | NA | NA |
| Copper | NA | NA | 0.0018 | NA | NA | NA | 0.0040 | NA | NA | NA |
| Cyanide (total) | NA | NA | ND(0.0050) | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Lead | NA | NA | 0.00016 J | NA | NA | NA | 0.00030 J | NA | NA | NA |
| Manganese | NA | NA | 0.54 | NA | 1.1 (RDW) | NA | 0.023 | NA | NA | NA |
| Mercury | NA | NA | 0.00029 | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Nickel | NA | NA | 0.016 | NA | NA | NA | 0.0063 | NA | NA | NA |
| Selenium | NA | NA | ND(0.0016) | NA | NA | NA | 0.012 | NA | NA | NA |
| Silver | NA | NA | ND(0.00040) | NA | NA | NA | ND(0.00040 J) | NA | NA | NA |
| Thallium | NA | NA | ND(0.00020) | NA | NA | NA | 0.00023 | NA | NA | NA |
| Vanadium | NA | NA | ND(0.00080) | NA | NA | NA | ND(0.00080) | NA | NA | NA |
| Zinc | NA | NA | 0.018 | NA | NA | NA | ND(0.020 J) | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.0012) | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.0010) | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | 0.063 | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.00040) | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | 0.0020 | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | 0.0020 | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.00040) | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | 0.013 | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | 0.0053 | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | 0.011 | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.00040 J) | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | ND(0.00080) | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | 0.011 J | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-04R 06/24/02 | RFI-09-04R 03/24/03 | RFI-09-04R 10/05/04 | RFI-09-04R 06/08/05 | RFI-09-06 06/21/02 | RFI-09-07 06/21/02 | RFI-09-07 10/05/04 | RFI-09-08 06/21/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | 0.00030 J | 0.00030 J | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025 J) | ND(0.025) | ND(0.030) | ND(0.030) | ND(0.025 J) | 0.0060 J | ND(0.030) | ND(0.025 J) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.030) | ND(0.025) | ND(0.025) | 0.0060 J | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.012 (IDW,RDW) | 0.052 J (IDW,RDW) | 0.0070 (IDW,RDW) | 0.0089 (IDW,RDW) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010 J) | ND(0.0020 J) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | 0.00030 J | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.00098 J | ND(0.0010) | 0.0020 | 0.0010 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0010) | 0.021 | 0.23 JD | 0.18 | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0045 | 0.062 J | 0.018 | 0.0011 |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0010) | 0.0012 J | 0.024 J | 0.011 J | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | 0.016 | 0.062 J | 0.013 J | 0.00064 J |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.010 J) | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.020) | 0.012 | 0.14 JD | 0.19 | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0022 | 0.0099 J | 0.0020 J | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0024 | 0.0065 J | 0.00090 J | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-04R 06/24/02 | RFI-09-04R 03/24/03 | RFI-09-04R 10/05/04 | RFI-09-04R 06/08/05 | RFI-09-06 06/21/02 | RFI-09-07 06/21/02 | RFI-09-07 10/05/04 | RFI-09-08 06/21/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | 0.0067 (IDW,RDW) | 0.0055 (IDW,RDW) | 0.011 (IDW,RDW) | 0.0090 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | 0.0040 | 0.0096 | 0.0050 | 0.0050 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | 0.018 | 0.072 J | 0.015 J | 0.00064 J |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND(0.0040) | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND(0.010) | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND(0.020) | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND(0.0050 J) | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | ND(0.010 J) | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND(0.020) | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | ND(0.020) | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | 0.0022 J | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | ND(0.0050 J) | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | ND(0.0010) | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | ND(0.0020) | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | ND(0.0020) | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | ND(0.0010) | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-04R 06/24/02 | RFI-09-04R 03/24/03 | RFI-09-04R 10/05/04 | RFI-09-04R 06/08/05 | RFI-09-06 06/21/02 | RFI-09-07 06/21/02 | RFI-09-07 10/05/04 | RFI-09-08 06/21/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | ND(0.010) | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | ND(0.010) | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | ND(0.0020) | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | ND(0.0040) | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | ND(0.0020) | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | ND(0.0010) | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | ND(0.0020) | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | ND(0.010) | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | ND(0.0020) | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | ND(0.020) | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Phenol | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | ND(0.00010) | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-04R 06/24/02 | RFI-09-04R 03/24/03 | RFI-09-04R 10/05/04 | RFI-09-04R 06/08/05 | RFI-09-06 06/21/02 | RFI-09-07 06/21/02 | RFI-09-07 10/05/04 | RFI-09-08 06/21/02 |
|---|---|---|---|---|---|---|---|---|
| **norganic** | | | | | | | | |
| Antimony | NA | NA | NA | NA | NA | 0.00058 J | NA | 0.00039 J |
| Arsenic | NA | NA | NA | NA | NA | 0.0020 | NA | 0.0025 |
| Barium | NA | NA | NA | NA | NA | 0.19 | NA | 0.059 |
| Beryllium | NA | NA | NA | NA | NA | ND(0.00040) | NA | ND(0.00040) |
| Cadmium | NA | NA | NA | NA | NA | 0.000055 J | NA | 0.000062 J |
| Chromium Total | NA | NA | NA | NA | NA | 0.0011 | NA | 0.0029 |
| Cobalt | NA | NA | NA | NA | NA | 0.00024 | NA | 0.00096 |
| Copper | NA | NA | NA | NA | NA | 0.010 | NA | 0.0061 |
| Cyanide (total) | NA | NA | NA | NA | NA | ND(0.0050) | NA | ND(0.0050) |
| Lead | NA | NA | ND(0.0030) | NA | NA | 0.00096 | NA | 0.0014 |
| Manganese | NA | NA | NA | NA | NA | 0.044 | NA | 0.058 |
| Mercury | NA | NA | NA | NA | NA | ND(0.00020) | NA | ND(0.00020) |
| Nickel | NA | NA | NA | NA | NA | 0.0037 | NA | 0.0040 |
| Selenium | NA | NA | NA | NA | NA | 0.00087 J | NA | 0.00068 J |
| Silver | NA | NA | NA | NA | NA | ND(0.00040 J) | NA | ND(0.00040 J) |
| Thallium | NA | NA | NA | NA | NA | 0.00010 J | NA | 0.00011 J |
| Vanadium | NA | NA | NA | NA | NA | 0.0012 | NA | 0.0020 |
| Zinc | NA | NA | NA | NA | NA | ND(0.015 J) | NA | ND(0.017 J) |
| **norganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | ND(0.0012) | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | 0.0016 | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | 0.13 | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | ND(0.00040) | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | ND(0.00020) | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | 0.0047 | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | ND(0.00020) | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | 0.0017 | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | ND(0.0050) | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | ND(0.00040) | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | 0.032 | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | 0.00014 J | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | 0.0026 | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | ND(0.0014) | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | ND(0.00040 J) | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | ND(0.00020) | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | 0.0016 | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | ND(0.0060 J) | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-08 03/21/03 | RFI-09-08D 04/07/05 | RFI-09-09 06/21/02 | RFI-09-09 03/21/03 | RFI-09-09D 04/07/05 | RFI-09-10 06/21/02 | RFI-09-11 06/21/02 | RFI-09-11 03/21/03 | RFI-09-11D 04/07/05 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0020) | NA | ND(0.0050) | ND(0.0050) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | 0.00030 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.030) | NA | ND(0.025 J) | ND(0.025) | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.0010) | NA | ND(0.050) | ND(0.050) | ND(0.0010) |
| Acetone | ND(0.025) | 0.020 J | ND(0.025) | ND(0.025) | ND(0.030 J) | NA | ND(0.025) | ND(0.025) | 0.010 J |
| Benzene | 0.20 D (IDW,RDW) | 0.094 (IDW,RDW) | ND(0.0010) | ND(0.0010) | 0.00040 J | NA | 1.1 D (IDW,RDW) | 1.0 D (IDW,RDW) | 0.19 (IDW,RDW) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010 J) | R | ND(0.0010) | ND(0.0010 J) | R | NA | ND(0.0010) | ND(0.0010 J) | R |
| Carbon disulfide | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050 J) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0050) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | 0.070 | 0.047 J | ND(0.0050) | ND(0.0050) | 0.012 J | NA | 0.094 | 0.035 | 0.035 J |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | 0.097 D | 0.16 | ND(0.0010) | ND(0.0010) | 0.00070 J | NA | 0.075 | 0.026 | 0.0030 |
| Isopropylbenzene | 0.0097 | 0.013 | ND(0.0050) | ND(0.0050) | 0.00030 J | NA | 0.0090 | ND(0.0050) | 0.00040 J |
| m&p-Xylene | 0.072 | 0.24 J | ND(0.0020) | ND(0.0020) | 0.0010 J | NA | 0.063 | 0.044 | 0.011 J |
| Methyl acetate | ND(0.0050 J) | ND(0.010) | ND(0.0050) | ND(0.0050 J) | ND(0.010) | NA | ND(0.0050) | ND(0.0050 J) | ND(0.010) |
| Methyl cyclohexane | 0.027 | 0.040 | ND(0.0010) | ND(0.0010) | 0.0070 J | NA | 0.042 | 0.011 | 0.020 |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| Methylene chloride | 0.0074 (IDW,RDW) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | 0.0067 (IDW,RDW) | ND(0.0050) |
| o-Xylene | 0.045 | 0.12 | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.025 | 0.022 | 0.012 |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | 0.0075 | 0.031 J | ND(0.0010) | ND(0.0010) | 0.00030 J | NA | 0.075 | 0.10 | 0.020 J |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-08 03/21/03 | RFI-09-08D 04/07/05 | RFI-09-09 06/21/02 | RFI-09-09 03/21/03 | RFI-09-09D 04/07/05 | RFI-09-10 06/21/02 | RFI-09-11 06/21/02 | RFI-09-11 03/21/03 | RFI-09-11D 04/07/05 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.030) | NA | ND(0.0010) | ND(0.0010) | ND(0.030) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | 0.12 | 0.36 J | ND(0.0020) | ND(0.0020) | 0.0010 J | NA | 0.088 | 0.066 | 0.023 J |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-08 03/21/03 | RFI-09-08D 04/07/05 | RFI-09-09 06/21/02 | RFI-09-09 03/21/03 | RFI-09-09D 04/07/05 | RFI-09-10 06/21/02 | RFI-09-11 06/21/02 | RFI-09-11 03/21/03 | RFI-09-11D 04/07/05 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-08 03/21/03 | RFI-09-08D 04/07/05 | RFI-09-09 06/21/02 | RFI-09-09 03/21/03 | RFI-09-09D 04/07/05 | RFI-09-10 06/21/02 | RFI-09-11 06/21/02 | RFI-09-11 03/21/03 | RFI-09-11D 04/07/05 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | NA | 0.00051 J | NA | NA | 0.0030 | NA | NA | NA |
| Arsenic | NA | NA | 0.0030 | NA | NA | 0.0020 | NA | NA | NA |
| Barium | NA | NA | 0.16 | NA | NA | 0.047 | NA | NA | NA |
| Beryllium | NA | NA | ND(0.00040) | NA | NA | ND(0.00040) | NA | NA | NA |
| Cadmium | NA | NA | 0.00011 J | NA | NA | 0.000057 J | NA | NA | NA |
| Chromium Total | NA | NA | 0.0026 | NA | NA | 0.0030 | NA | NA | NA |
| Cobalt | NA | NA | 0.0020 | NA | NA | 0.0017 | NA | NA | NA |
| Copper | NA | NA | 0.013 | NA | NA | 0.0062 | NA | NA | NA |
| Cyanide (total) | NA | NA | ND(0.0050) | NA | NA | ND(0.0050) | NA | NA | NA |
| Lead | NA | NA | 0.0028 | NA | NA | 0.0019 | NA | NA | NA |
| Manganese | NA | NA | 0.89 (RDW) | NA | NA | 0.11 | NA | NA | NA |
| Mercury | NA | NA | ND(0.00020) | NA | NA | ND(0.00020) | NA | NA | NA |
| Nickel | NA | NA | 0.013 | NA | NA | 0.0066 | NA | NA | NA |
| Selenium | NA | NA | 0.00074 J | NA | NA | 0.00050 J | NA | NA | NA |
| Silver | NA | NA | ND(0.00040 J) | NA | NA | ND(0.00040 J) | NA | NA | NA |
| Thallium | NA | NA | 0.00023 | NA | NA | 0.00010 J | NA | NA | NA |
| Vanadium | NA | NA | 0.0033 | NA | NA | 0.0043 | NA | NA | NA |
| Zinc | NA | NA | ND(0.019 J) | NA | NA | ND(0.028 J) | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | 0.0021 | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | 0.0021 | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | 0.11 | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | 0.0080 | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | 0.00084 | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | 0.0059 | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | 0.0021 J | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | 0.71 | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | 0.00027 | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | 0.0081 | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | 0.0017 J | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | ND(0.00040 J) | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | 0.0023 | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | 0.011 J | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-12 06/21/02 | RFI-09-12 03/21/03 | RFI-09-13 06/26/02 | RFI-09-13 03/26/03 | RFI-09-13 10/04/04 | RFI-09-14 06/26/02 | RFI-09-14 03/31/03 | RFI-09-14 10/04/04 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.020) | NA | ND(0.0050) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010 J) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.30) | NA | ND(0.025) | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.50) | NA | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.010) | NA | ND(0.050) | ND(0.0010) |
| Acetone | ND(0.025) | ND(0.025) | 0.016 J | ND(0.025) | 0.090 J | NA | 0.047 | ND(0.030) |
| Benzene | 0.013 J (IDW,RDW) | 0.0036 | 0.28 D(GSI,IDW,RDW) | 0.45 D(GSI,IDW,RDW) | 1.2(GSI,IDW,RDW) | NA | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010 J) | NA | ND(0.0010) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.020 J) | NA | ND(0.0010) | ND(0.0020 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.050) | NA | ND(0.0050) | ND(0.0050 J) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010 J) | NA | ND(0.0010) | ND(0.0010 J) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050 J) | ND(0.0050) | 0.19 D | 0.17 D | 0.31 J | NA | ND(0.0050) | ND(0.0010) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | 0.0021 | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | 0.0053 | 0.0048 | 0.0030 J | NA | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | 0.023 | 0.021 | 0.030 | NA | ND(0.0050) | ND(0.0010) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | 0.034 | 0.034 | 0.050 J | NA | ND(0.0020) | ND(0.0010) |
| Methyl acetate | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.10) | NA | ND(0.0050) | ND(0.010) |
| Methyl cyclohexane | ND(0.0010 J) | ND(0.0010) | 0.087 | 0.067 | 0.10 J | NA | ND(0.0010) | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.050) | NA | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.050) | NA | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | 0.0060 | 0.0065 | 0.0080 J | NA | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | 0.011 | 0.013 | 0.020 | NA | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-12 06/21/02 | RFI-09-12 03/21/03 | RFI-09-13 06/26/02 | RFI-09-13 03/26/03 | RFI-09-13 10/04/04 | RFI-09-14 06/26/02 | RFI-09-14 03/31/03 | RFI-09-14 10/04/04 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.30) | NA | ND(0.0010) | ND(0.030) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | 0.040(GSI) | 0.041(GSI) | 0.058 J(GSI) | NA | ND(0.0020) | ND(0.0010) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-12 06/21/02 | RFI-09-12 03/21/03 | RFI-09-13 06/26/02 | RFI-09-13 03/26/03 | RFI-09-13 10/04/04 | RFI-09-14 06/26/02 | RFI-09-14 03/31/03 | RFI-09-14 10/04/04 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-12 06/21/02 | RFI-09-12 03/21/03 | RFI-09-13 06/26/02 | RFI-09-13 03/26/03 | RFI-09-13 10/04/04 | RFI-09-14 06/26/02 | RFI-09-14 03/31/03 | RFI-09-14 10/04/04 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | ND(0.0012) | ND(0.0012) | ND(0.0012) | NA | NA | 0.00071 J | NA | NA |
| Arsenic | 0.049 | 0.056 (IDW,RDW) | NA | NA | NA | NA | NA | NA |
| Barium | 0.096 | 0.10 | NA | NA | 0.61 | 0.15 | NA | 0.12 |
| Beryllium | ND(0.00040) | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Cadmium | ND(0.00020) | 0.000049 J | NA | NA | NA | NA | NA | NA |
| Chromium Total | 0.00049 J | 0.00042 J | NA | NA | NA | NA | NA | NA |
| Cobalt | 0.00055 | 0.00051 | NA | NA | NA | NA | NA | NA |
| Copper | 0.0017 | 0.0029 | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Lead | 0.00013 J | 0.00023 J | NA | NA | NA | NA | NA | NA |
| Manganese | 0.065 | 0.050 | NA | NA | NA | NA | NA | NA |
| Mercury | 0.00014 J | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Nickel | 0.0026 | 0.0029 | NA | NA | NA | NA | NA | NA |
| Selenium | ND(0.0014) | ND(0.0016) | ND(0.0014) | NA | ND(0.0050) | ND(0.0025) | NA | ND(0.0050) |
| Silver | ND(0.00040 J) | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Thallium | 0.000045 J | 0.0016 | NA | NA | NA | NA | NA | NA |
| Vanadium | ND(0.00080) | 0.00034 J | NA | NA | NA | NA | NA | NA |
| Zinc | ND(0.011 J) | 0.028 | NA | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | ND(0.0012) | NA | ND(0.0012) | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | 0.040 | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | 0.074 | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | ND(0.00040) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | ND(0.00020) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | 0.0042 | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | 0.00040 | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | 0.00095 | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | ND(0.00040) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | 0.051 | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | ND(0.00020) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | 0.0020 | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | ND(0.0014) | NA | ND(0.0024) | NA | NA | NA | NA | NA |
| Silver (Dissolved) | ND(0.00040 J) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | ND(0.00020) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | 0.0012 | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | ND(0.0060 J) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-32 06/26/02 | RFI-09-32 03/31/03 | RFI-09-36R 03/24/03 | RFI-09-44 03/21/03 | RFI-09-44 10/05/04 |
|---|---|---|---|---|---|
| **VOC** | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.0010) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.030) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0020 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0010) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.010) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-32 06/26/02 | RFI-09-32 03/31/03 | RFI-09-36R 03/24/03 | RFI-09-44 03/21/03 | RFI-09-44 10/05/04 |
|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.030) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) |
| **SVOC** | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-32 06/26/02 | RFI-09-32 03/31/03 | RFI-09-36R 03/24/03 | RFI-09-44 03/21/03 | RFI-09-44 10/05/04 |
|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA |
| **PCB** | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-32 06/26/02 | RFI-09-32 03/31/03 | RFI-09-36R 03/24/03 | RFI-09-44 03/21/03 | RFI-09-44 10/05/04 |
|---|---|---|---|---|---|
| **Inorganic** | | | | | |
| Antimony | ND(0.0012) | 0.00098 J | NA | 0.00037 J | NA |
| Arsenic | NA | 0.0047 | NA | 0.0017 J | ND(0.0020) |
| Barium | NA | 0.14 | NA | 0.16 | NA |
| Beryllium | NA | ND(0.00040) | NA | ND(0.00040) | NA |
| Cadmium | NA | ND(0.00020) | NA | 0.00018 J | NA |
| Chromium Total | NA | 0.0021 | NA | 0.0018 | NA |
| Cobalt | NA | 0.0012 | NA | 0.0012 | NA |
| Copper | NA | 0.0012 | NA | 0.0055 | NA |
| Cyanide (total) | NA | ND(0.0050) | NA | ND(0.0050) | NA |
| Lead | 0.00055 | ND(0.00040) | NA | 0.00033 J | ND(0.0030) |
| Manganese | NA | 0.14 J | NA | 0.30 | NA |
| Mercury | NA | ND(0.00020) | NA | ND(0.00020) | NA |
| Nickel | NA | 0.0077 | NA | 0.0092 | NA |
| Selenium | ND(0.0014) | ND(0.0016) | NA | ND(0.0016) | NA |
| Silver | NA | ND(0.00040) | NA | ND(0.00040) | NA |
| Thallium | NA | ND(0.00020) | NA | 0.00086 | NA |
| Vanadium | NA | 0.00053 J | NA | ND(0.00080) | NA |
| Zinc | NA | 0.0080 | NA | 0.010 | NA |
| **Inorganic-Dissolved** | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-45 12/20/02 | RFI-09-46 12/19/02 | RFI-09-46 04/01/03 | RFI-09-46 10/05/04 | RFI-09-48 04/24/03 | RFI-09-48 10/06/04 |
|---|---|---|---|---|---|---|
| **VOC** | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) [ND(0.0050)] | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) [ND(0.025)] | ND(0.025) [ND(0.025)] | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) |
| 2-Hexanone | ND(0.050) [ND(0.050)] | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) [ND(0.050)] | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.0010) |
| Acetone | ND(0.025) [ND(0.025)] | 0.0061 J [0.0052 J] | ND(0.025) | 0.060 J | 0.0019 J | ND(0.030) |
| Benzene | ND(0.0010) [ND(0.0010)] | 0.70 D(GSI,IDW,RDW) [0.68 D(GSI,IDW,RDW)] | 0.50 D(GSI,IDW,RDW) | 0.049 (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0020 J) |
| Carbon disulfide | ND(0.0050) [ND(0.0050)] | 0.00057 J [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| Carbon tetrachloride | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010 J) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) |
| Chloroform (Trichloromethane) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0030) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) [ND(0.0050)] | 0.17 D [0.16 D] | 0.16 D | 0.12 J | ND(0.0050) | ND(0.0010) |
| Dibromochloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) [ND(0.0010)] | 0.0019 [0.0018] | 0.0016 | 0.00040 J | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) [ND(0.0050)] | 0.017 [0.016] | 0.015 | 0.0090 | ND(0.0050) | ND(0.0010) |
| m&p-Xylene | ND(0.0020) [ND(0.0020)] | 0.045 [0.043] | 0.038 | 0.016 J | ND(0.0020) | ND(0.0010) |
| Methyl acetate | ND(0.0050) [ND(0.0050)] | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.010 J) | ND(0.0050) | ND(0.010) |
| Methyl cyclohexane | ND(0.0010) [ND(0.0010)] | 0.049 [0.045] | 0.048 | 0.040 | ND(0.0010) | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) [ND(0.0050)] | 0.00061 J [0.00059 J] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) [ND(0.0050)] | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) [ND(0.0010)] | 0.0082 [0.0078] | 0.0067 | 0.0030 | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) [ND(0.0010)] | 0.019 [0.018] | 0.016 | 0.0060 | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-45 12/20/02 | RFI-09-46 12/19/02 | RFI-09-46 04/01/03 | RFI-09-46 10/05/04 | RFI-09-48 04/24/03 | RFI-09-48 10/06/04 |
|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | |
| Trichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.030) |
| Vinyl chloride | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) [ND(0.0020)] | 0.053(GSI) [0.051(GSI)] | 0.045(GSI) | 0.019 J | ND(0.0020) | ND(0.0010) |
| **SVOC** | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-45 12/20/02 | RFI-09-46 12/19/02 | RFI-09-46 04/01/03 | RFI-09-46 10/05/04 | RFI-09-48 04/24/03 | RFI-09-48 10/06/04 |
|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-45 12/20/02 | RFI-09-46 12/19/02 | RFI-09-46 04/01/03 | RFI-09-46 10/05/04 | RFI-09-48 04/24/03 | RFI-09-48 10/06/04 |
|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | |
| Antimony | 0.0011 J [0.0012 J] | ND(0.0012) [ND(0.0012)] | NA | NA | ND(0.0012) | ND(0.0050) |
| Arsenic | 0.0020 J [0.0024 J] | 0.0022 J [0.0020 J] | NA | NA | 0.049 | NA |
| Barium | 0.13 [0.12] | 1.3 J [1.2 J] | NA | 0.64 | 0.19 | 0.20 |
| Beryllium | ND(0.00040) [ND(0.00040)] | ND(0.00040) [ND(0.00040)] | NA | NA | ND(0.00040) | NA |
| Cadmium | 0.000057 J [0.000089 J] | ND(0.00020) [ND(0.00020)] | NA | NA | ND(0.00020) | NA |
| Chromium Total | 0.0019 J [0.0024 J] | ND(0.00060) [ND(0.00060)] | NA | NA | 0.00049 J | NA |
| Cobalt | 0.00080 J [0.00061 J] | 0.00040 J [0.00034 J] | NA | NA | 0.00092 | NA |
| Copper | 0.0042 J [0.0051 J] | 0.0033 J [0.0019 J] | NA | NA | 0.0023 | NA |
| Cyanide (total) | ND(0.0050) [ND(0.0050)] | ND(0.0050) [0.0033 J] | NA | NA | 0.0026 J | NA |
| Lead | 0.00090 J [0.00096 J] | 0.00048 J [ND(0.00040)] | NA | NA | 0.00021 J | NA |
| Manganese | 0.091 [0.079] | 0.065 J [0.059 J] | NA | NA | 0.090 | NA |
| Mercury | ND(0.00020) [ND(0.00020)] | ND(0.00020) [ND(0.00020)] | NA | NA | ND(0.00020) | NA |
| Nickel | 0.0049 J [0.0049 J] | 0.0069 J [0.0058 J] | NA | NA | 0.012 | NA |
| Selenium | 0.0042 J [0.0066 J] | ND(0.0016) [ND(0.0016)] | NA | ND(0.0050) | ND(0.0016) | ND(0.0050) |
| Silver | ND(0.00040 J) [ND(0.00040 J)] | ND(0.00040 J) [ND(0.00040 J)] | NA | NA | ND(0.00040 J) | NA |
| Thallium | ND(0.00020) [ND(0.00020)] | ND(0.00020) [ND(0.00020)] | NA | NA | 0.000061 J | NA |
| Vanadium | 0.00089 J [0.00099 J] | ND(0.00080) [ND(0.00080)] | NA | NA | ND(0.00080) | NA |
| Zinc | 0.11 J [0.073 J] | 0.057 J [0.047 J] | NA | NA | 0.010 | NA |
| **Inorganic-Dissolved** | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-48 02/24/05 | RFI-09-49R 04/03/03 | RFI-09-49R 10/05/04 | RFI-09-52 09/15/03 | RFI-09-53 04/07/05 | RFI-09-53 06/08/05 | RFI-09-54D 04/08/05 | RFI-09-54S 04/07/05 | RFI-09-55D 04/08/05 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.050 | 0.26 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,1,2-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,1-Dichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.015 | 0.035 | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,1-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00060 J | 0.0040 J | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,2,4-Trichlorobenzene | NA | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.010) | ND(0.0020) | ND(0.0020) | ND(0.020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0050) | ND(0.0010 J) | ND(0.0010 J) | ND(0.010 J) |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,2-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,2-Dichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | 0.0030 | ND(0.010) |
| 1,2-Dichloropropane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,3-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,4-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 2-Butanone (Methyl Ethyl Ketone) | NA | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.10) | ND(0.030) | ND(0.030) | ND(0.30) |
| 2-Hexanone | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.30) | ND(0.050) | ND(0.050) | ND(0.50) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Acetone | NA | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030 J) | ND(0.10) | ND(0.030 J) | 0.0070 J | 0.10 J |
| Benzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00030 J | ND(0.0050) | 0.033 (IDW,RDW) | 0.0060 (IDW,RDW) | 0.84 (IDW,RDW) |
| Bromodichloromethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Bromoform | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0050) | ND(0.0010 J) | ND(0.0010 J) | ND(0.010 J) |
| Bromomethane (Methyl Bromide) | NA | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | R | ND(0.010) | R | R | R |
| Carbon disulfide | NA | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.030) | ND(0.0050) | ND(0.0050) | ND(0.050) |
| Carbon tetrachloride | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00030 J | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Chlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Chloroethane | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Chloroform (Trichloromethane) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0020 | 0.0030 J | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Chloromethane (Methyl Chloride) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| cis-1,2-Dichloroethene | NA | ND(0.0010) | 0.0030 | ND(0.0010) | 0.012 | 0.011 | ND(0.0010) | ND(0.0010) | ND(0.010) |
| cis-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Cyclohexane | NA | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010 J) | ND(0.0050) | 0.010 J | 0.00080 J | 0.56 J |
| Dibromochloromethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Dichlorodifluoromethane (CFC-12) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Ethylbenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | 0.0020 | 0.070 |
| Isopropylbenzene | NA | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | 0.020 |
| m&p-Xylene | NA | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0050) | 0.00050 J | 0.0020 J | 0.33 J |
| Methyl acetate | NA | ND(0.0050 J) | ND(0.010) | ND(0.0050) | ND(0.010) | ND(0.050) | ND(0.010) | ND(0.010) | ND(0.10) |
| Methyl cyclohexane | NA | ND(0.0010) | ND(0.020) | 0.00064 J | 0.00020 J | ND(0.10) | ND(0.020) | 0.0010 J | 0.40 |
| Methyl Tert Butyl Ether | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.030) | ND(0.0050 J) | ND(0.0050 J) | ND(0.050 J) |
| Methylene chloride | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.030) | 0.00030 J | ND(0.0050) | 0.0070 J (IDW,RDW) |
| o-Xylene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | 0.0010 | 0.020 |
| Styrene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Tetrachloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Toluene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | 0.00070 J | 0.00090 J | 0.020 J |
| trans-1,2-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00030 J | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| trans-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-48 02/24/05 | RFI-09-49R 04/03/03 | RFI-09-49R 10/05/04 | RFI-09-52 09/15/03 | RFI-09-53 04/07/05 | RFI-09-53 06/08/05 | RFI-09-54D 04/08/05 | RFI-09-54S 04/07/05 | RFI-09-55D 04/08/05 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | NA | 0.0028 | 0.0080 (IDW,RDW) | ND(0.0010) | 0.035 (IDW,RDW) | 0.18 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Trichlorofluoromethane (CFC-11) | NA | 0.0042 | 0.014 | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Trifluorotrichloroethane (Freon 113) | NA | ND(0.0010) | ND(0.030) | ND(0.0010) | 0.00050 J | ND(0.20) | ND(0.030) | ND(0.030) | ND(0.30) |
| Vinyl chloride | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0010 J | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Xylenes (total) | NA | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0050) | 0.00050 J | 0.0030 J | 0.35 J |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-48 02/24/05 | RFI-09-49R 04/03/03 | RFI-09-49R 10/05/04 | RFI-09-52 09/15/03 | RFI-09-53 04/07/05 | RFI-09-53 06/08/05 | RFI-09-54D 04/08/05 | RFI-09-54S 04/07/05 | RFI-09-55D 04/08/05 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-48 02/24/05 | RFI-09-49R 04/03/03 | RFI-09-49R 10/05/04 | RFI-09-52 09/15/03 | RFI-09-53 04/07/05 | RFI-09-53 06/08/05 | RFI-09-54D 04/08/05 | RFI-09-54S 04/07/05 | RFI-09-55D 04/08/05 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | ND(0.0030) | NA | NA | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-55S 04/08/05 | RFI-09-56 07/06/05 | RFI-09-57 07/06/05 | RFI-09-58 07/22/05 | RFI-10-01 06/18/02 | RFI-10-01 03/26/03 | RFI-10-02 06/18/02 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.0053 J |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | NA | NA | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.0015 J |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) [ND(0.030)] | NA | NA | 0.0068 J |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] | NA | NA | 0.0067 J |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.0098 J |
| Acetone | 0.010 J | 0.040 | 0.0070 J | ND(0.030) [ND(0.030)] | NA | NA | 0.012 J |
| Benzene | 0.00050 J | 0.0010 | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.016 J (IDW,RDW) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Bromoform | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Bromomethane (Methyl Bromide) | R | ND(0.0020) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | NA | NA | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 3.3 JD (IDW,RDW) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | 0.00090 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Cyclohexane | 0.088 J | ND(0.0010) | ND(0.0010) | ND(0.0010 J) [ND(0.0010 J)] | NA | NA | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Ethylbenzene | 0.010 | 0.00030 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.062 J |
| Isopropylbenzene | 0.0050 | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.0018 J |
| m&p-Xylene | 0.012 J | 0.00080 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.17 J |
| Methyl acetate | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) [ND(0.010)] | NA | NA | ND(0.0050) |
| Methyl cyclohexane | 0.18 | ND(0.020) | ND(0.020) | ND(0.020) [ND(0.020)] | NA | NA | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | ND(0.014 J) |
| o-Xylene | 0.0010 | 0.00060 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.043 J |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Toluene | ND(0.0010) | 0.0020 | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.0065 J |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.00072 J |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-55S 04/08/05 | RFI-09-56 07/06/05 | RFI-09-57 07/06/05 | RFI-09-58 07/22/05 | RFI-10-01 06/18/02 | RFI-10-01 03/26/03 | RFI-10-02 06/18/02 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) [ND(0.030)] | NA | NA | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.00083 J |
| Xylenes (total) | 0.013 J | 0.0014 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | 0.21 J |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-55S 04/08/05 | RFI-09-56 07/06/05 | RFI-09-57 07/06/05 | RFI-09-58 07/22/05 | RFI-10-01 06/18/02 | RFI-10-01 03/26/03 | RFI-10-02 06/18/02 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-09-55S 04/08/05 | RFI-09-56 07/06/05 | RFI-09-57 07/06/05 | RFI-09-58 07/22/05 | RFI-10-01 06/18/02 | RFI-10-01 03/26/03 | RFI-10-02 06/18/02 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | NA | NA | NA | NA | ND(0.0012) | 0.00035 J | ND(0.0012) |
| Arsenic | NA | NA | NA | NA | ND(0.0026) | 0.0033 | 0.041 |
| Barium | NA | NA | NA | NA | 33 (IDW,RDW) | 25 (IDW,RDW) | 0.41 |
| Beryllium | NA | NA | NA | NA | 0.00013 J | ND(0.00040) | ND(0.00040 J) |
| Cadmium | NA | NA | NA | NA | 0.00054 | 0.000083 J | ND(0.00020) |
| Chromium Total | NA | NA | NA | NA | 0.0017 | 0.0041 | 0.0016 |
| Cobalt | NA | NA | NA | NA | 0.0011 | 0.0021 | 0.0067 |
| Copper | NA | NA | NA | NA | 0.31 J | 0.042 | 0.0059 J |
| Cyanide (total) | NA | NA | NA | NA | 0.0047 J | 0.012 | ND(0.0050) |
| Lead | NA | NA | NA | NA | 0.0088 (IDW,RDW) | 0.0048 (IDW,RDW) | 0.00086 |
| Manganese | NA | NA | NA | NA | 0.54 | 0.52 | 7.6 (IDW,RDW) |
| Mercury | NA | NA | NA | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) |
| Nickel | NA | NA | NA | NA | 0.012 | 0.018 | 0.036 |
| Selenium | NA | NA | NA | NA | ND(0.0014) | ND(0.0016) | ND(0.0014) |
| Silver | NA | NA | NA | NA | ND(0.00040) | 0.00012 J | ND(0.00040) |
| Thallium | NA | NA | NA | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) |
| Vanadium | NA | NA | NA | NA | ND(0.00080) | ND(0.00080) | 0.0023 |
| Zinc | NA | NA | NA | NA | 0.66 J | 0.55 | 0.014 J |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-02 03/27/03 | RFI-10-03 06/19/02 | RFI-10-03 03/25/03 | RFI-10-04 06/21/02 | RFI-10-04 03/26/03 | RFI-10-05 06/25/02 | RFI-10-05 03/26/03 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | 0.22 D (IDW,RDW) | 0.18 D | 0.0071 J | NA | 0.14 D | 0.49 D (IDW,RDW) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | 0.00055 J | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.0013 | 0.58 D | 0.75 D | 0.0021 | NA | 0.17 D | 0.70 D |
| 1,1-Dichloroethene | ND(0.0010) | 0.083 (IDW,RDW) | 0.038 (IDW,RDW) | 0.00056 J | NA | 0.029 (IDW,RDW) | 0.090 (IDW,RDW) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | 0.00053 J | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | 0.0012 |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025 J) | NA | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050 J) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) |
| Acetone | 0.041 | 0.0020 J | ND(0.025) | ND(0.025) | NA | ND(0.025) | ND(0.025) |
| Benzene | 0.010 (IDW,RDW) | 0.0012 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Chloroethane | 1.9 D (IDW,RDW) | 0.14 D | 0.13 D | ND(0.0010) | NA | 0.27 D | 1.0 D (RDW) |
| Chloroform (Trichloromethane) | ND(0.0010) | 0.0012 | 0.0042 | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | 0.13 D (IDW,RDW) | 0.053 | ND(0.0010) | NA | 0.0037 | 0.020 |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | 0.015 | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | 0.00074 J | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0057 J) | ND(0.0050) | ND(0.0050) | NA | 0.0087 (IDW,RDW) | 0.029 (IDW,RDW) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Toluene | 0.0015 | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | 0.010 | 0.0030 | ND(0.0010) | NA | ND(0.0010) | 0.0011 |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-02 03/27/03 | RFI-10-03 06/19/02 | RFI-10-03 03/25/03 | RFI-10-04 06/21/02 | RFI-10-04 03/26/03 | RFI-10-05 06/25/02 | RFI-10-05 03/26/03 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | ND(0.0010) | 0.15 D (IDW,RDW) | 0.16 D (IDW,RDW) | 0.0014 | NA | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | 0.054 (IDW,RDW) | 0.010 (IDW,RDW) | ND(0.0010) | NA | 0.0066 (IDW,RDW) | 0.033 (IDW,RDW) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-02 03/27/03 | RFI-10-03 06/19/02 | RFI-10-03 03/25/03 | RFI-10-04 06/21/02 | RFI-10-04 03/26/03 | RFI-10-05 06/25/02 | RFI-10-05 03/26/03 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-02 03/27/03 | RFI-10-03 06/19/02 | RFI-10-03 03/25/03 | RFI-10-04 06/21/02 | RFI-10-04 03/26/03 | RFI-10-05 06/25/02 | RFI-10-05 03/26/03 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | 0.00036 J | ND(0.0012) | 0.00043 J | ND(0.0012) | ND(0.0012) | NA | ND(0.0012) |
| Arsenic | 0.052 (IDW,RDW) | 0.0044 | ND(0.0010) | 0.0014 | ND(0.0010) | NA | 0.0011 |
| Barium | 0.34 | 0.20 | 0.51 | 0.77 | 1.1 | NA | 0.073 |
| Beryllium | ND(0.00040) | ND(0.00040 J) | ND(0.00040) | ND(0.00040) | ND(0.00040) | NA | ND(0.00040) |
| Cadmium | 0.000048 J | 0.0032 | 0.0044 | 0.00069 | 0.00089 | NA | 0.00037 |
| Chromium Total | 0.0077 | 0.0029 | 0.0065 | 0.0026 | 0.0098 | NA | 0.0021 |
| Cobalt | 0.0068 | 0.011 | 0.0094 | 0.0011 | 0.0014 | NA | 0.0037 |
| Copper | 0.0071 | 0.011 J | 0.0067 | 0.0062 | 0.0055 | NA | 0.0047 |
| Cyanide (total) | 0.0031 J | 0.0099 | 0.023 | 0.027 | 0.022 | NA | 0.018 |
| Lead | 0.0029 | 0.0023 | 0.00055 | 0.0019 | 0.00036 J | NA | 0.00014 J |
| Manganese | 3.2 (IDW,RDW) | 4.0 (IDW,RDW) | 1.3 (RDW) | 0.025 | 0.24 | NA | 1.3 (RDW) |
| Mercury | ND(0.00020) | 0.00012 J | ND(0.00020) | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) |
| Nickel | 0.044 | 0.024 | 0.057 | 0.011 | 0.030 | NA | 0.025 |
| Selenium | 0.0031 | ND(0.0014) | ND(0.0016) | ND(0.0014) | ND(0.0016 J) | NA | 0.0019 |
| Silver | ND(0.00040) | ND(0.00040) | 0.0030 | 0.00020 J | 0.0010 | NA | 0.00029 J |
| Thallium | 0.000060 J | 0.00027 | 0.00023 | 0.00014 J | 0.00011 J | NA | 0.00042 |
| Vanadium | 0.0085 (RDW) | 0.0029 | ND(0.00080) | 0.00072 J | ND(0.00080) | NA | ND(0.00080) |
| Zinc | 0.029 | 0.022 J | 0.029 | ND(0.034 J) | 0.027 | NA | 0.014 |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | 0.0026 [0.0022] | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | 0.033 [0.033] | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | 0.25 [0.26] | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | ND(0.00040) [ND(0.00040)] | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | 0.000066 J [ND(0.00020)] | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | 0.0050 [0.0054] | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | 0.0036 [0.0040] | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | 0.0050 [0.0033] | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | 0.0024 J [0.0044 J] | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | 0.00017 J [ND(0.00040)] | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | 3.0 (IDW,RDW) [3.0 (IDW,RDW)] | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | ND(0.00020) [ND(0.00020)] | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | 0.037 [0.036] | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | 0.0016 J [ND(0.0016)] | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | ND(0.00040) [ND(0.00040)] | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | ND(0.00020) [ND(0.00020)] | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | 0.0020 [0.0019] | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | 0.019 [0.012] | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-06 06/19/02 | RFI-10-06 03/26/03 | RFI-10-07 03/26/03 | RFI-10-08 06/19/02 | RFI-10-11 06/21/02 | RFI-10-11 03/26/03 | RFI-10-11 10/08/04 | RFI-10-12 12/18/02 | RFI-10-15 10/06/04 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | 0.34 D (IDW,RDW) | 1.0 D (IDW,RDW) | 0.015 | NA | ND(0.0010 J) | NA | 0.00060 J | NA | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethane | 0.095 D | 0.73 D | 0.0020 | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethene | 0.056 (IDW,RDW) | 0.13 D (IDW,RDW) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0020) | NA | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | 0.0018 | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | NA | 0.0024 J | NA | ND(0.030) | NA | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) | NA | ND(0.050) | NA | ND(0.050 J) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) | NA | ND(0.0010) | NA | ND(0.0010) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.025) | NA | ND(0.025) | NA | ND(0.030) | NA | ND(0.030) |
| Benzene | ND(0.0010) | 0.0020 | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | NA | ND(0.0010 J) | NA | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0020 J) | NA | ND(0.0020 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0050 J) | NA | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | NA | ND(0.0010) | NA | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Chloroethane | 0.10 | 0.096 D | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010 J) | NA | ND(0.0010 J) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | 0.0030 | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0010) | NA | ND(0.0010) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | NA | ND(0.0010) | NA | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010 J) | NA | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0010) | NA | ND(0.0010) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | NA | ND(0.0010) | NA | ND(0.0010) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.010) | NA | ND(0.010) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.020) | NA | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0050) |
| Methylene chloride | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-06 06/19/02 | RFI-10-06 03/26/03 | RFI-10-07 03/26/03 | RFI-10-08 06/19/02 | RFI-10-11 06/21/02 | RFI-10-11 03/26/03 | RFI-10-11 10/08/04 | RFI-10-12 12/18/02 | RFI-10-15 10/06/04 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.030) | NA | ND(0.030) |
| Vinyl chloride | 0.00064 J | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | NA | ND(0.0010) | NA | ND(0.0010) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-06 06/19/02 | RFI-10-06 03/26/03 | RFI-10-07 03/26/03 | RFI-10-08 06/19/02 | RFI-10-11 06/21/02 | RFI-10-11 03/26/03 | RFI-10-11 10/08/04 | RFI-10-12 12/18/02 | RFI-10-15 10/06/04 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-06 06/19/02 | RFI-10-06 03/26/03 | RFI-10-07 03/26/03 | RFI-10-08 06/19/02 | RFI-10-11 06/21/02 | RFI-10-11 03/26/03 | RFI-10-11 10/08/04 | RFI-10-12 12/18/02 | RFI-10-15 10/06/04 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | ND(0.0012) | ND(0.0012) | NA | ND(0.0012) | NA | ND(0.0012) | NA | ND(0.0012) | NA |
| Arsenic | ND(0.0024) | 0.0015 | NA | ND(0.0026) | NA | ND(0.0010) | NA | 0.045 | NA |
| Barium | 0.051 | 0.050 | NA | 0.064 | NA | 0.070 | NA | 0.050 J | NA |
| Beryllium | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00040 J) | NA | ND(0.00040) | NA | ND(0.00040 J) | NA |
| Cadmium | ND(0.00020) | 0.000092 J | NA | 0.00030 | NA | 0.00051 | NA | 0.00016 J | NA |
| Chromium Total | 0.0015 | 0.00086 | NA | 0.0016 | NA | 0.0031 | NA | 0.0099 | NA |
| Cobalt | 0.00079 | 0.00084 | NA | 0.0014 | NA | 0.0014 | NA | 0.0014 J | NA |
| Copper | 0.0058 J | 0.0043 | NA | 0.0083 J | NA | 0.0026 | NA | 0.013 J | NA |
| Cyanide (total) | 0.0032 J | 0.0025 J | NA | ND(0.0050) | NA | 0.034 | NA | ND(0.0050) | NA |
| Lead | 0.00064 | 0.00075 | NA | 0.0011 | NA | 0.00015 J | NA | 0.0068 J (IDW,RDW) | NA |
| Manganese | 0.25 | 0.50 | NA | 0.90 (RDW) | NA | 0.33 | NA | 1.2 J (RDW) | NA |
| Mercury | ND(0.00020) | ND(0.00020) | NA | 0.00012 J | NA | ND(0.00020) | NA | ND(0.00020) | NA |
| Nickel | 0.0057 | 0.0081 | NA | 0.0070 | NA | 0.020 | NA | 0.035 J | NA |
| Selenium | 0.0079 | ND(0.0016) | NA | ND(0.0014) | NA | 0.0029 | NA | ND(0.0016) | NA |
| Silver | ND(0.00040) | ND(0.00040) | NA | ND(0.00040) | NA | ND(0.00040) | NA | ND(0.00040 J) | NA |
| Thallium | 0.000070 J | ND(0.00020) | NA | 0.000064 J | NA | ND(0.00020) | NA | 0.00021 J | NA |
| Vanadium | 0.00081 | 0.00029 J | NA | 0.0017 | NA | ND(0.00080) | NA | 0.0033 | NA |
| Zinc | 0.014 J | 0.013 | NA | 0.038 J | NA | 0.0089 | NA | 0.033 J | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.044 J | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.066 J | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0033 J | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0012 J | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0026 J | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0040 J | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.00090 J | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 1.0 J (RDW) | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00020) | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.023 J | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0046 J | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | R | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0021 J | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0067 J | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-24 06/25/02 | RFI-10-24 03/26/03 | RFI-10-24 10/06/04 | RFI-10-25 03/26/03 | RFI-10-25 10/06/04 | RFI-10-26 06/20/02 | RFI-10-26 03/27/03 | RFI-10-28 12/12/02 | RFI-10-28 10/06/04 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | ND(0.0050) | ND(0.0020) [ND(0.0020)] |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.025) | NA | 0.011 J | ND(0.030) [ND(0.030)] |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050 J) [ND(0.050 J)] |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.050) | NA | ND(0.050) | ND(0.0010) [ND(0.0010)] |
| Acetone | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.025) | NA | 0.21 JD | ND(0.030) [ND(0.030)] |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) [ND(0.0010 J)] |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0020 J) [ND(0.0020 J)] |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) [ND(0.0010 J)] |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | ND(0.0030) | ND(0.0010) [ND(0.0010)] |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | ND(0.0050) | ND(0.0010) [ND(0.0010)] |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0020) | NA | ND(0.0020) | ND(0.0010) [ND(0.0010)] |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.010 J) | ND(0.0050 J) | ND(0.010 J) | ND(0.0050) | NA | ND(0.0030) | ND(0.010) [ND(0.010)] |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010 J) | ND(0.020) | ND(0.0010) | NA | ND(0.0030) | ND(0.020) [ND(0.020)] |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-24 06/25/02 | RFI-10-24 03/26/03 | RFI-10-24 10/06/04 | RFI-10-25 03/26/03 | RFI-10-25 10/06/04 | RFI-10-26 06/20/02 | RFI-10-26 03/27/03 | RFI-10-28 12/12/02 | RFI-10-28 10/06/04 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.030) | ND(0.0010) | NA | ND(0.0030) | ND(0.030) [ND(0.030)] |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0020) | NA | ND(0.0020) | ND(0.0010) [ND(0.0010)] |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-24 06/25/02 | RFI-10-24 03/26/03 | RFI-10-24 10/06/04 | RFI-10-25 03/26/03 | RFI-10-25 10/06/04 | RFI-10-26 06/20/02 | RFI-10-26 03/27/03 | RFI-10-28 12/12/02 | RFI-10-28 10/06/04 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-24 06/25/02 | RFI-10-24 03/26/03 | RFI-10-24 10/06/04 | RFI-10-25 03/26/03 | RFI-10-25 10/06/04 | RFI-10-26 06/20/02 | RFI-10-26 03/27/03 | RFI-10-28 12/12/02 | RFI-10-28 10/06/04 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | NA | NA | NA | NA | ND(0.0012) | ND(0.0012) | NA | NA |
| Arsenic | NA | NA | NA | NA | NA | 0.0043 | ND(0.0010) | NA | NA |
| Barium | NA | NA | NA | NA | NA | 0.052 | 0.13 | NA | NA |
| Beryllium | NA | NA | NA | NA | NA | ND(0.00040) | ND(0.00040) | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | 0.00013 J | 0.00028 | NA | NA |
| Chromium Total | NA | NA | NA | NA | NA | 0.0042 | 0.0036 | NA | NA |
| Cobalt | NA | NA | NA | NA | NA | 0.0021 | 0.0011 | NA | NA |
| Copper | NA | NA | NA | NA | NA | 0.0064 | 0.0028 | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | NA | 0.028 | 0.0049 J | NA | NA |
| Lead | NA | NA | NA | NA | NA | 0.0048 (IDW,RDW) | 0.00036 J | NA | NA |
| Manganese | NA | NA | NA | NA | NA | 0.14 | 0.015 | NA | NA |
| Mercury | NA | NA | NA | NA | NA | 0.00026 | ND(0.00020) | NA | NA |
| Nickel | NA | NA | NA | NA | NA | 0.0071 | 0.012 | NA | NA |
| Selenium | NA | NA | NA | NA | NA | ND(0.0014) | 0.0059 | NA | NA |
| Silver | NA | NA | NA | NA | NA | ND(0.00040 J) | ND(0.00040) | NA | NA |
| Thallium | NA | NA | NA | NA | NA | 0.00018 J | ND(0.00020) | NA | NA |
| Vanadium | NA | NA | NA | NA | NA | 0.0051 (RDW) | ND(0.00080) | NA | NA |
| Zinc | NA | NA | NA | NA | NA | ND(0.025 J) | 0.011 | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-29 12/12/02 | RFI-10-29 06/30/05 | RFI-10-30 04/24/03 | RFI-10-30 10/07/04 | RFI-10-31 04/24/03 | RFI-10-31 10/07/04 | RFI-10-32 04/04/05 | RFI-10-32 06/09/05 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0087 | 0.00040 J | 0.19 | 0.26 (IDW,RDW) [0.28 (IDW,RDW)] |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0070 | ND(0.0010) | 0.14 | 0.25 [0.28] |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0011 | ND(0.0010) | 0.026 (IDW,RDW) | 0.033 (IDW,RDW) [0.037 (IDW,RDW)] |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.010) [ND(0.010)] |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0050) [ND(0.0050)] |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) | 0.00068 J | ND(0.030) | ND(0.030) | ND(0.10) [ND(0.10)] |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.30) [ND(0.30)] |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Acetone | 0.0019 J | ND(0.030) | 0.0014 J | ND(0.030) | 0.0038 J | ND(0.030) | ND(0.030) | ND(0.10) [ND(0.10)] |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00010 J | 0.0010 J [ND(0.0050)] |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0050) [ND(0.0050)] |
| Bromomethane (Methyl Bromide) | ND(0.0010 J) | ND(0.0020) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0020 J) | R | ND(0.010) [ND(0.010)] |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.030) [ND(0.030)] |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | 0.0043 | ND(0.0010 J) | 0.067 J | 0.11 J [0.12] |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0020 | 0.0030 J [0.0040 J] |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Cyclohexane | ND(0.0030) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010 J) | ND(0.0050) [ND(0.0050)] |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0050) [ND(0.0050)] |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Isopropylbenzene | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| m&p-Xylene | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Methyl acetate | ND(0.0030) | ND(0.010) | ND(0.0050) | ND(0.010) | ND(0.0050) | ND(0.010) | ND(0.010) | ND(0.050) [ND(0.050)] |
| Methyl cyclohexane | ND(0.0030) | ND(0.020) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.020) | ND(0.020 J) | ND(0.10) [ND(0.10)] |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.030) [ND(0.030)] |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.030) [ND(0.030)] |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Toluene | 0.00051 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-29 12/12/02 | RFI-10-29 06/30/05 | RFI-10-30 04/24/03 | RFI-10-30 10/07/04 | RFI-10-31 04/24/03 | RFI-10-31 10/07/04 | RFI-10-32 04/04/05 | RFI-10-32 06/09/05 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| Trifluorotrichloroethane (Freon 113) | ND(0.0030) | ND(0.030) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.030) | ND(0.030) | ND(0.20) [ND(0.20)] |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0020 | ND(0.0050) [ND(0.0050)] |
| Xylenes (total) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0050) [ND(0.0050)] |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-29 12/12/02 | RFI-10-29 06/30/05 | RFI-10-30 04/24/03 | RFI-10-30 10/07/04 | RFI-10-31 04/24/03 | RFI-10-31 10/07/04 | RFI-10-32 04/04/05 | RFI-10-32 06/09/05 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-29 12/12/02 | RFI-10-29 06/30/05 | RFI-10-30 04/24/03 | RFI-10-30 10/07/04 | RFI-10-31 04/24/03 | RFI-10-31 10/07/04 | RFI-10-32 04/04/05 | RFI-10-32 06/09/05 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | NA | 0.00038 J | NA | NA | NA |
| Arsenic | NA | NA | ND(0.0010) | NA | 0.0013 J | NA | NA | NA |
| Barium | NA | NA | 0.040 | NA | 0.034 | NA | NA | NA |
| Beryllium | NA | NA | ND(0.00040) | NA | ND(0.00040) | NA | NA | NA |
| Cadmium | NA | NA | 0.000088 J | NA | 0.00010 J | NA | NA | NA |
| Chromium Total | NA | NA | 0.0046 | NA | 0.0018 | NA | NA | NA |
| Cobalt | NA | NA | 0.00045 | NA | 0.0014 | NA | NA | NA |
| Copper | NA | NA | 0.0017 | NA | 0.0048 | NA | NA | NA |
| Cyanide (total) | NA | NA | 0.0023 J | NA | ND(0.0050) | NA | NA | NA |
| Lead | NA | NA | 0.00013 J | NA | 0.0013 | NA | NA | NA |
| Manganese | NA | NA | 0.10 | NA | 0.11 | NA | NA | NA |
| Mercury | NA | NA | ND(0.00020) | NA | ND(0.00020) | NA | NA | NA |
| Nickel | NA | NA | 0.0048 | NA | 0.0068 | NA | NA | NA |
| Selenium | NA | NA | 0.0047 | NA | 0.0038 | NA | NA | NA |
| Silver | NA | NA | ND(0.00040 J) | NA | ND(0.00040 J) | NA | NA | NA |
| Thallium | NA | NA | 0.000082 J | NA | 0.000080 J | NA | NA | NA |
| Vanadium | NA | NA | ND(0.00080) | NA | 0.0028 | NA | NA | NA |
| Zinc | NA | NA | 0.0051 J | NA | 0.013 | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-33 06/29/05 | RFI-10-34 06/29/05 | RFI-10-35 06/29/05 | RFI-10-36 06/29/05 | RFI-12-11S 06/25/02 | RFI-12-15 12/16/02 | RFI-12-24 04/04/03 | RFI-12-24 04/23/03 | RFI-12-24 04/06/05 | RFI-12-25 04/23/03 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | | |
| 1,1,1-Trichloroethane | 0.019 | ND(0.0010) | 0.0030 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethane | 0.021 | ND(0.0010) | 0.015 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,1-Dichloroethene | 0.0040 | ND(0.0010) | 0.0010 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | 0.0017 J | 0.035 J | ND(0.025) | 0.0015 J | NA | 0.0015 J |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.050) | 0.00087 J | ND(0.050) | ND(0.050) | NA | ND(0.050) |
| Acetone | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | 0.0078 J | 0.22 D | ND(0.025) | 0.0082 J | NA | 0.0062 J |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0027 | ND(0.0010) | 0.00062 J | NA | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloroethane | 0.0040 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | 0.0028 | 0.0039 | NA | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0015 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| m&p-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020) | 0.0021 | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) |
| Methyl acetate | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.0050) | 0.023 | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Methyl cyclohexane | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0016 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0057 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-33 06/29/05 | RFI-10-34 06/29/05 | RFI-10-35 06/29/05 | RFI-10-36 06/29/05 | RFI-12-11S 06/25/02 | RFI-12-15 12/16/02 | RFI-12-24 04/04/03 | RFI-12-24 04/23/03 | RFI-12-24 04/06/05 | RFI-12-25 04/23/03 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) |
| Xylenes (total) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0020) | 0.0037 | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) |
| **SVOC** | | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | ND(0.0044) | ND(0.0040) | ND(0.0050) | ND(0.0040) |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | ND(0.011) | ND(0.010) | ND(0.010) | ND(0.010) |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | ND(0.022) | ND(0.020) | ND(0.020 J) | ND(0.020) |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | ND(0.022) | ND(0.020) | ND(0.020) | ND(0.020) |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | ND(0.011 J) | ND(0.010 J) | NA | ND(0.010 J) |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | ND(0.022 J) | ND(0.020 J) | ND(0.020) | ND(0.020 J) |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | ND(0.022) | ND(0.020 J) | ND(0.020) | ND(0.020 J) |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | ND(0.022) | ND(0.020) | ND(0.020 J) | ND(0.020) |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | ND(0.022 J) | ND(0.020) | ND(0.020) | ND(0.020) |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | ND(0.022) | ND(0.020 J) | ND(0.020) | ND(0.020 J) |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | ND(0.022) | ND(0.020) | ND(0.020 J) | ND(0.020) |
| Acenaphthene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Acetophenone | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Anthracene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | 0.00020 J | ND(0.0050) |
| Atrazine | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | ND(0.0056 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | ND(0.0011) | ND(0.0010) | ND(0.0050) | ND(0.0010) |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | ND(0.0022) | ND(0.0020) | ND(0.0050) | ND(0.0020) |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | ND(0.0022) | ND(0.0020) | ND(0.0050) | ND(0.0020) |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Biphenyl | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | 0.00010 J | ND(0.0050) |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | ND(0.0017) | ND(0.0015) | ND(0.0050) | ND(0.0015) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-33 06/29/05 | RFI-10-34 06/29/05 | RFI-10-35 06/29/05 | RFI-10-36 06/29/05 | RFI-12-11S 06/25/02 | RFI-12-15 12/16/02 | RFI-12-24 04/04/03 | RFI-12-24 04/23/03 | RFI-12-24 04/06/05 | RFI-12-25 04/23/03 |
|---|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Caprolactam | NA | NA | NA | NA | NA | NA | ND(0.011) | ND(0.010) | ND(0.010 J) | ND(0.010) |
| Carbazole | NA | NA | NA | NA | NA | NA | ND(0.011) | ND(0.010) | 0.00020 J | ND(0.010) |
| Chrysene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | ND(0.0022) | ND(0.0020 J) | ND(0.0050) | ND(0.0020 J) |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | ND(0.0044) | ND(0.0040) | 0.00010 J | ND(0.0040) |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) |
| Fluoranthene | NA | NA | NA | NA | NA | NA | ND(0.0022) | ND(0.0020) | ND(0.0050) | ND(0.0020) |
| Fluorene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | 0.00020 J | ND(0.0050) |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | ND(0.0011) | ND(0.0010) | ND(0.0050) | ND(0.0010) |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | ND(0.0022) | ND(0.0020 J) | ND(0.0050) | ND(0.0020 J) |
| Isophorone | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | ND(0.011) | ND(0.010) | ND(0.0050) | ND(0.010) |
| Naphthalene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | ND(0.0022) | ND(0.0020) | ND(0.0050) | ND(0.0020) |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | ND(0.022 J) | ND(0.020) | ND(0.0010) | ND(0.020) |
| Phenanthrene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | 0.00020 J | ND(0.0050) |
| Phenol | NA | NA | NA | NA | NA | NA | 0.0098 | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Pyrene | NA | NA | NA | NA | NA | NA | ND(0.0056) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| **PCB** | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | ND(0.00011) | ND(0.00010) | NA | ND(0.00010) |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | ND(0.00011) | ND(0.00010) | NA | ND(0.00010) |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | ND(0.00011) | ND(0.00010) | NA | ND(0.00010) |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | ND(0.00011) | ND(0.00010) | NA | ND(0.00010) |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | ND(0.00011) | ND(0.00010) | NA | ND(0.00010) |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | ND(0.00011) | ND(0.00010) | NA | ND(0.00010) |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | ND(0.00011) | ND(0.00010) | NA | ND(0.00010) |
| Total PCBs | NA | NA | NA | NA | NA | NA | ND(0.00011) | ND(0.00010) | NA | ND(0.00010) |
| **PCB-Dissolved** | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-10-33 06/29/05 | RFI-10-34 06/29/05 | RFI-10-35 06/29/05 | RFI-10-36 06/29/05 | RFI-12-11S 06/25/02 | RFI-12-15 12/16/02 | RFI-12-24 04/04/03 | RFI-12-24 04/23/03 | RFI-12-24 04/06/05 | RFI-12-25 04/23/03 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | | |
| Antimony | NA | NA | NA | NA | 0.0013 | NA | 0.00038 J | 0.0011 J | NA | 0.00039 J |
| Arsenic | NA | NA | NA | NA | 0.0010 J | NA | 0.0023 | 0.0018 | NA | 0.0016 J |
| Barium | NA | NA | NA | NA | 0.13 | NA | 0.059 | 0.057 | NA | 0.15 |
| Beryllium | NA | NA | NA | NA | ND(0.00040) | NA | ND(0.00080) | ND(0.00040) | NA | ND(0.00040) |
| Cadmium | NA | NA | NA | NA | 0.00020 | NA | 0.00043 | 0.00064 | NA | 0.00012 J |
| Chromium Total | NA | NA | NA | NA | 0.00068 | NA | 0.0014 | 0.00065 | NA | 0.0011 |
| Cobalt | NA | NA | NA | NA | 0.0011 | NA | 0.019 | 0.024 | NA | 0.0018 |
| Copper | NA | NA | NA | NA | 0.0099 | NA | 0.0075 | 0.0049 | NA | 0.0046 |
| Cyanide (total) | NA | NA | NA | NA | ND(0.0050) | NA | 0.0046 J | ND(0.0050) | NA | ND(0.0050) |
| Lead | NA | NA | NA | NA | 0.00043 | NA | 0.0026 | 0.0015 | NA | 0.0015 |
| Manganese | NA | NA | NA | NA | 0.74 J | NA | 0.74 J | 0.89 (RDW) | NA | 0.40 |
| Mercury | NA | NA | NA | NA | ND(0.00020) | NA | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) |
| Nickel | NA | NA | NA | NA | 0.017 | NA | 0.024 | 0.030 | NA | 0.024 |
| Selenium | NA | NA | NA | NA | 0.0012 J | NA | ND(0.0016) | 0.0021 | NA | 0.0017 J |
| Silver | NA | NA | NA | NA | ND(0.00040 J) | NA | ND(0.00040 J) | 0.00015 J | NA | ND(0.00040 J) |
| Thallium | NA | NA | NA | NA | ND(0.00020) | NA | 0.000059 J | 0.00015 J | NA | 0.000094 J |
| Vanadium | NA | NA | NA | NA | 0.00033 J | NA | 0.0024 | 0.00074 J | NA | ND(0.00080) |
| Zinc | NA | NA | NA | NA | 0.024 | NA | 0.019 | 0.012 | NA | 0.0083 |
| **Inorganic-Dissolved** | | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-12-32 10/04/04 | RFI-12-33 04/07/05 | RFI-12-35 09/17/03 | RFI-12-35 10/14/03 | RFI-16-04 06/25/02 | RFI-16-11 06/26/02 | RFI-16-11 03/26/03 | RFI-16-12 06/24/02 | RFI-16-20 04/09/02 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | NA | ND(0.0050) | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | NA | 0.0037 [0.0038] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | NA | 0.0085 J | NA | ND(0.025) [ND(0.025)] | ND(0.025) | ND(0.025) | 0.0041 J | ND(0.025) |
| 2-Hexanone | ND(0.050) | NA | ND(0.050) | NA | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | NA | ND(0.050) | NA | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.030) | NA | 0.020 J | NA | ND(0.025) [0.0023 J] | 0.0048 J | ND(0.025) | 0.016 J | ND(0.025) |
| Benzene | ND(0.0010) | NA | ND(0.0010) | NA | 0.0043 [0.0045] | 0.21 D (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010 J) | NA | ND(0.0010 J) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020 J) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | NA | ND(0.0050 J) | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | NA | ND(0.0010) | NA | 0.021 [0.020] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010 J) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | NA | ND(0.0010 J) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0010) | NA | 0.015 | NA | ND(0.0050) [ND(0.0050)] | 0.016 | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | NA | 0.0038 J | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | 0.0012 J | ND(0.0050) |
| m&p-Xylene | ND(0.0010) | NA | 0.00085 J | NA | ND(0.0020) [ND(0.0020)] | 0.00053 J | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.010) | NA | ND(0.0050 J) | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.020) | NA | 0.011 | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | NA | ND(0.0050 J) | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | NA | ND(0.0050 J) | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | NA | 0.00058 J | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | NA | ND(0.0010 J) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | 0.0012 | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-12-32 10/04/04 | RFI-12-33 04/07/05 | RFI-12-35 09/17/03 | RFI-12-35 10/14/03 | RFI-16-04 06/25/02 | RFI-16-11 06/26/02 | RFI-16-11 03/26/03 | RFI-16-12 06/24/02 | RFI-16-20 04/09/02 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | 0.0020 | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | NA | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0010) | NA | 0.0014 J | NA | ND(0.0020) [ND(0.0020)] | 0.00053 J | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2,4,5-Trichlorophenol | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2,4,6-Trichlorophenol | NA | ND(0.0050) | NA | ND(0.0043) | ND(0.0040) [ND(0.0040)] | NA | NA | NA | ND(0.020) |
| 2,4-Dichlorophenol | NA | ND(0.010) | NA | ND(0.011) | ND(0.010) [ND(0.010)] | NA | NA | NA | ND(0.050) |
| 2,4-Dimethylphenol | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2,4-Dinitrophenol | NA | ND(0.020 J) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| 2,4-Dinitrotoluene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2,6-Dinitrotoluene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2-Chloronaphthalene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2-Chlorophenol | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2-Methylnaphthalene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2-Methylphenol | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 2-Nitroaniline | NA | ND(0.020) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| 2-Nitrophenol | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 3&4-Methylphenol | NA | NA | NA | ND(0.011 J) | ND(0.010 J) [ND(0.010 J)] | NA | NA | NA | ND(0.050 J) |
| 3,3'-Dichlorobenzidine | NA | ND(0.020) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| 3-Methylphenol | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | ND(0.020) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| 4,6-Dinitro-2-methylphenol | NA | ND(0.020 J) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| 4-Bromophenyl phenyl ether | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 4-Chloro-3-methylphenol | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 4-Chloroaniline | NA | ND(0.020) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| 4-Chlorophenyl phenyl ether | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| 4-Nitroaniline | NA | ND(0.020) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| 4-Nitrophenol | NA | ND(0.020 J) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| Acenaphthene | NA | 0.00030 J | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Acenaphthylene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Acetophenone | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Anthracene | NA | 0.00010 J | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Atrazine | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Benzaldehyde | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050 J) [ND(0.0050 J)] | NA | NA | NA | ND(0.025 J) |
| Benzo(a)anthracene | NA | ND(0.0050) | NA | ND(0.0011) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0050) |
| Benzo(a)pyrene | NA | ND(0.0050) | NA | ND(0.0022) | ND(0.0020) [ND(0.0020)] | NA | NA | NA | ND(0.010) |
| Benzo(b)fluoranthene | NA | ND(0.0050) | NA | ND(0.0022) | ND(0.0020) [ND(0.0020)] | NA | NA | NA | ND(0.010 J) |
| Benzo(g,h,i)perylene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Benzo(k)fluoranthene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Biphenyl | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| bis(2-Chloroethoxy)methane | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| bis(2-Chloroethyl)ether | NA | ND(0.0050) | NA | ND(0.0016) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0050) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-12-32 10/04/04 | RFI-12-33 04/07/05 | RFI-12-35 09/17/03 | RFI-12-35 10/14/03 | RFI-16-04 06/25/02 | RFI-16-11 06/26/02 | RFI-16-11 03/26/03 | RFI-16-12 06/24/02 | RFI-16-20 04/09/02 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Butyl benzylphthalate | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Caprolactam | NA | ND(0.010 J) | NA | ND(0.011) | ND(0.010) [ND(0.010)] | NA | NA | NA | ND(0.050) |
| Carbazole | NA | ND(0.010) | NA | ND(0.011) | ND(0.010) [ND(0.010)] | NA | NA | NA | ND(0.050) |
| Chrysene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Dibenz(a,h)anthracene | NA | ND(0.0050) | NA | ND(0.0022) | ND(0.0020) [ND(0.0020)] | NA | NA | NA | ND(0.010) |
| Dibenzofuran | NA | 0.00030 J | NA | ND(0.0043) | ND(0.0040) [ND(0.0040)] | NA | NA | NA | ND(0.020) |
| Diethyl phthalate | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Dimethyl phthalate | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Di-n-butylphthalate | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Di-n-octyl phthalate | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Fluoranthene | NA | ND(0.0050) | NA | ND(0.0022) | ND(0.0020) [ND(0.0020)] | NA | NA | NA | ND(0.010) |
| Fluorene | NA | 0.00050 J | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Hexachlorobenzene | NA | ND(0.0050) | NA | ND(0.0011) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0050) |
| Hexachlorobutadiene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Hexachlorocyclopentadiene | NA | ND(0.0050 J) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Hexachloroethane | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Indeno(1,2,3-cd)pyrene | NA | ND(0.0050) | NA | ND(0.0022) | ND(0.0020) [ND(0.0020)] | NA | NA | NA | ND(0.010) |
| Isophorone | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Methylphenols, Total | NA | ND(0.0050) | NA | ND(0.011) | ND(0.010) [ND(0.010)] | NA | NA | NA | ND(0.050) |
| Naphthalene | NA | 0.00020 J | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Nitrobenzene | NA | ND(0.0050) | NA | ND(0.0022) | ND(0.0020) [ND(0.0020)] | NA | NA | NA | ND(0.010) |
| N-Nitrosodi-n-propylamine | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| N-Nitrosodiphenylamine | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Pentachlorophenol | NA | ND(0.0010) | NA | ND(0.022) | ND(0.020) [ND(0.020)] | NA | NA | NA | ND(0.10) |
| Phenanthrene | NA | 0.00010 J | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Phenol | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| Pyrene | NA | ND(0.0050) | NA | ND(0.0054) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.025) |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | ND(0.00010) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | ND(0.00010) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | ND(0.00010) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | ND(0.00010) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | ND(0.00010) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | ND(0.00010) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | ND(0.00010) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Total PCBs | NA | NA | ND(0.00010) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | ND(0.00011) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | ND(0.00011) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | ND(0.00011) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | ND(0.00011) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | ND(0.00011) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | ND(0.00011) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | ND(0.00011) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | ND(0.00011) | NA | ND(0.00010) [ND(0.00010)] | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-12-32 10/04/04 | RFI-12-33 04/07/05 | RFI-12-35 09/17/03 | RFI-12-35 10/14/03 | RFI-16-04 06/25/02 | RFI-16-11 06/26/02 | RFI-16-11 03/26/03 | RFI-16-12 06/24/02 | RFI-16-20 04/09/02 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | NA | 0.0043 J | NA | ND(0.0012) [ND(0.0012)] | NA | NA | 0.00038 J | NA |
| Arsenic | NA | NA | 0.060 J (IDW,RDW) | NA | 0.00097 J [0.00069 J] | NA | NA | 0.012 | NA |
| Barium | NA | NA | 0.61 | NA | 0.40 [0.38] | NA | NA | 0.33 | NA |
| Beryllium | NA | NA | 0.27 JDM (IDW,RDW) | NA | ND(0.00040) [ND(0.00040)] | NA | NA | ND(0.00040) | NA |
| Cadmium | NA | NA | 0.0067 J (IDW,RDW) | NA | ND(0.00020) [ND(0.00020)] | NA | NA | ND(0.00020) | NA |
| Chromium Total | NA | NA | 0.12 (IDW,RDW) | NA | 0.0011 [0.0011] | NA | NA | 0.0012 | NA |
| Cobalt | NA | NA | 0.046 (RDW) | NA | 0.00046 [0.00043] | NA | NA | 0.00086 | NA |
| Copper | NA | NA | 0.089 | NA | 0.0015 [0.0014] | NA | NA | 0.0093 | NA |
| Cyanide (total) | NA | NA | 0.015 | NA | ND(0.0050) [ND(0.0050)] | NA | NA | 0.026 | NA |
| Lead | NA | NA | 0.059 (IDW,RDW) | NA | 0.00049 [0.00043] | NA | NA | 0.00092 | NA |
| Manganese | NA | NA | 2.1 (RDW) | NA | 0.56 J [0.54] | NA | NA | 0.68 J | NA |
| Mercury | NA | NA | 0.000044 J | NA | ND(0.00020) [ND(0.00020)] | NA | NA | ND(0.00020) | NA |
| Nickel | NA | NA | 0.12 (IDW,RDW) | NA | 0.0062 [0.0059] | NA | NA | 0.0099 | NA |
| Selenium | NA | NA | NA | NA | ND(0.0014) [ND(0.0014)] | NA | NA | 0.0013 J | NA |
| Silver | NA | NA | 0.0044 J | NA | ND(0.00040 J) [ND(0.00040 J)] | NA | NA | ND(0.00040 J) | NA |
| Thallium | NA | NA | 0.0036 (IDW,RDW) | NA | ND(0.00020) [ND(0.00020)] | NA | NA | ND(0.00020) | NA |
| Vanadium | NA | NA | 0.14 (IDW,RDW) | NA | ND(0.00080) [ND(0.00080)] | NA | NA | 0.0025 | NA |
| Zinc | NA | NA | 0.26 J | NA | 0.012 [0.010] | NA | NA | 0.013 | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | 0.0028 J | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | 0.020 | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | 0.10 | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | 0.030 J (IDW,RDW) | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | 0.0027 J | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | 0.0040 | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | 0.0074 J | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | 0.016 J | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | 0.024 | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | 0.0010 J | NA | NA | NA | NA | NA | 0.00042 |
| Manganese (Dissolved) | NA | NA | 0.27 | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | 0.027 J | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | 0.0041 | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | 0.0020 J | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | 0.00089 J | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | ND(0.00080 J) | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | 0.042 J | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-16-24 04/03/03 | RFI-16-25 04/03/03 | RFI-17-02 06/25/02 | RFI-17-02 04/02/03 | RFI-17-02 10/05/04 | RFI-17-02 06/09/05 | RFI-17-02D 07/29/05 | RFI-21-04 06/13/02 | RFI-21-04 10/07/04 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | 0.0020 | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.0020) | ND(0.0020) | ND(0.0050) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) [ND(0.025)] | NA | NA | NA | ND(0.030) | ND(0.030) | ND(0.025) | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) [ND(0.050)] | NA | NA | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) [ND(0.050)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.050) | ND(0.0010) |
| Acetone | ND(0.025) | ND(0.025) [ND(0.025)] | NA | NA | NA | ND(0.030) | ND(0.030) | ND(0.025) | ND(0.030) |
| Benzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | 0.0030 | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0050) | ND(0.0010) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0010) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) [ND(0.0020)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0020) | ND(0.0010) |
| Methyl acetate | ND(0.0050) | ND(0.0050 J) [ND(0.0050)] | NA | NA | NA | ND(0.010) | ND(0.010) | ND(0.0050) | ND(0.010) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | 0.0030 J | 0.0030 J | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.00060 J |
| o-Xylene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-16-24 04/03/03 | RFI-16-25 04/03/03 | RFI-17-02 06/25/02 | RFI-17-02 04/02/03 | RFI-17-02 10/05/04 | RFI-17-02 06/09/05 | RFI-17-02D 07/29/05 | RFI-21-04 06/13/02 | RFI-21-04 10/07/04 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.030) | ND(0.030) | ND(0.0010) | ND(0.030) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | ND(0.0010) | 0.0030 (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | NA | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0020) | ND(0.0010) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-16-24 04/03/03 | RFI-16-25 04/03/03 | RFI-17-02 06/25/02 | RFI-17-02 04/02/03 | RFI-17-02 10/05/04 | RFI-17-02 06/09/05 | RFI-17-02D 07/29/05 | RFI-21-04 06/13/02 | RFI-21-04 10/07/04 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-16-24 04/03/03 | RFI-16-25 04/03/03 | RFI-17-02 06/25/02 | RFI-17-02 04/02/03 | RFI-17-02 10/05/04 | RFI-17-02 06/09/05 | RFI-17-02D 07/29/05 | RFI-21-04 06/13/02 | RFI-21-04 10/07/04 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | ND(0.0012) | ND(0.0050) | NA | NA | ND(0.0012) | NA |
| Arsenic | NA | NA | 0.027 | 0.0058 | NA | NA | NA | 0.0018 J | NA |
| Barium | NA | NA | 0.093 | 0.12 | NA | NA | NA | 0.64 J | NA |
| Beryllium | NA | NA | ND(0.00040) | ND(0.00040) | NA | NA | NA | ND(0.00040 J) | NA |
| Cadmium | NA | NA | 0.000062 J | ND(0.00020) | NA | NA | NA | 0.0011 | NA |
| Chromium Total | NA | NA | 0.0026 | 0.0012 | NA | NA | NA | 0.0019 | NA |
| Cobalt | NA | NA | 0.0012 | 0.00056 | NA | NA | NA | 0.0037 | NA |
| Copper | NA | NA | 0.0033 | 0.0063 | NA | NA | NA | 0.0051 | NA |
| Cyanide (total) | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA | NA |
| Lead | NA | NA | 0.0020 | 0.00077 | NA | NA | NA | 0.00035 J | NA |
| Manganese | NA | NA | 0.085 | 0.016 J | NA | NA | NA | 6.3 (IDW,RDW) | 16 (IDW,RDW) |
| Mercury | NA | NA | ND(0.00020) | ND(0.00020) | NA | NA | NA | ND(0.00020) | NA |
| Nickel | NA | NA | 0.0038 | 0.0079 | NA | NA | NA | 0.014 | NA |
| Selenium | NA | NA | 0.0032 | 0.0019 J | ND(0.0050) | NA | NA | ND(0.0014) | NA |
| Silver | NA | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00050) | NA | NA | ND(0.00040 J) | NA |
| Thallium | NA | NA | ND(0.00020) | ND(0.00020) | NA | NA | NA | 0.000053 J | NA |
| Vanadium | NA | NA | 0.0038 | 0.00056 J | NA | NA | NA | ND(0.00080) | NA |
| Zinc | NA | NA | 0.012 | 0.013 | NA | NA | NA | 0.019 J | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | 0.0043 | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | 0.0017 J | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | 0.081 | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | 0.00089 | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | 0.00023 | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | 0.0014 | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | 0.039 J | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | 0.0021 | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | 0.0038 | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | ND(0.00040 J) | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | ND(0.00080) | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | 0.0066 | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-21-04 04/06/05 | RFI-23-01R 10/04/04 | Bldg 23 Basement 11/22/02 | RFI-23-01R 04/06/05 | RFI-23-02R 10/04/04 | RFI-23-02R 04/06/05 | RFI-36-02 06/13/02 | RFI-36-02 03/25/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,1,2,2-Tetrachloroethane | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | NA | 0.00064 J | NA | NA | NA | NA | NA |
| 1,1-Dichloroethene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | NA | NA | ND(0.0050) | NA | NA | NA | NA | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,2-Dichloroethane | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,2-Dichloropropane | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| 2-Butanone (Methyl Ethyl Ketone) | NA | NA | 0.0025 J | NA | NA | NA | NA | NA |
| 2-Hexanone | NA | NA | ND(0.050) | NA | NA | NA | NA | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | NA | 0.00067 J | NA | NA | NA | NA | NA |
| Acetone | NA | NA | 0.0050 J | NA | NA | NA | NA | NA |
| Benzene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Bromodichloromethane | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Bromoform | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Bromomethane (Methyl Bromide) | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Carbon disulfide | NA | NA | ND(0.0050) | NA | NA | NA | NA | NA |
| Carbon tetrachloride | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Chlorobenzene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Chloroethane | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Chloroform (Trichloromethane) | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Chloromethane (Methyl Chloride) | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | NA | 0.0013 | NA | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Cyclohexane | NA | NA | ND(0.0030) | NA | NA | NA | NA | NA |
| Dibromochloromethane | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane (CFC-12) | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Ethylbenzene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Isopropylbenzene | NA | NA | ND(0.0050) | NA | NA | NA | NA | NA |
| m&p-Xylene | NA | NA | ND(0.0020) | NA | NA | NA | NA | NA |
| Methyl acetate | NA | NA | ND(0.0030) | NA | NA | NA | NA | NA |
| Methyl cyclohexane | NA | NA | ND(0.0030) | NA | NA | NA | NA | NA |
| Methyl Tert Butyl Ether | NA | NA | ND(0.0050) | NA | NA | NA | NA | NA |
| Methylene chloride | NA | NA | ND(0.0050) | NA | NA | NA | NA | NA |
| o-Xylene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Styrene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Tetrachloroethene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Toluene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| trans-1,3-Dichloropropene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-21-04 04/06/05 | RFI-23-01R 10/04/04 | Bldg 23 Basement 11/22/02 | RFI-23-01R 04/06/05 | RFI-23-02R 10/04/04 | RFI-23-02R 04/06/05 | RFI-36-02 06/13/02 | RFI-36-02 03/25/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Trichlorofluoromethane (CFC-11) | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Trifluorotrichloroethane (Freon 113) | NA | NA | ND(0.0030) | NA | NA | NA | NA | NA |
| Vinyl chloride | NA | NA | ND(0.0010) | NA | NA | NA | NA | NA |
| Xylenes (total) | NA | NA | ND(0.0020) | NA | NA | NA | NA | NA |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 2,4,5-Trichlorophenol | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 2,4,6-Trichlorophenol | ND(0.0050) | ND(0.0050) | ND(0.040) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 2,4-Dichlorophenol | ND(0.010) | 0.00060 J | ND(0.10) | ND(0.010) | ND(0.010) | ND(0.010) | NA | NA |
| 2,4-Dimethylphenol | ND(0.0050) | 0.0010 J | ND(0.050) | ND(0.0050) | 0.00060 J | ND(0.0050) | NA | NA |
| 2,4-Dinitrophenol | ND(0.020 J) | ND(0.020) | ND(0.20) | ND(0.020 J) | ND(0.020) | ND(0.020 J) | NA | NA |
| 2,4-Dinitrotoluene | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 2,6-Dinitrotoluene | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 2-Chloronaphthalene | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 2-Chlorophenol | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 2-Methylnaphthalene | ND(0.0050) | ND(0.0020) | ND(0.050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| 2-Methylphenol | ND(0.0050) | 0.00070 J | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 2-Nitroaniline | ND(0.020) | ND(0.020) | ND(0.20) | ND(0.020) | ND(0.020) | ND(0.020) | NA | NA |
| 2-Nitrophenol | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 3&4-Methylphenol | NA | NA | ND(0.10 J) | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(0.020) | ND(0.020) | ND(0.20 J) | ND(0.020) | ND(0.020) | ND(0.020) | NA | NA |
| 3-Methylphenol | ND(0.0050) | 0.0010 J | ND(0.20 J) | ND(0.0050) | 0.00070 J | ND(0.0050) | NA | NA |
| 3-Nitroaniline | ND(0.020) | ND(0.020) | ND(0.20) | ND(0.020) | ND(0.020) | ND(0.020) | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(0.020 J) | ND(0.020) | ND(0.050) | ND(0.020 J) | ND(0.020) | ND(0.020 J) | NA | NA |
| 4-Bromophenyl phenyl ether | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 4-Chloro-3-methylphenol | ND(0.0050) | ND(0.0050) | ND(0.20) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 4-Chloroaniline | ND(0.020) | ND(0.020 J) | ND(0.050) | ND(0.020) | ND(0.020 J) | ND(0.020) | NA | NA |
| 4-Chlorophenyl phenyl ether | ND(0.0050) | ND(0.0050) | ND(0.20) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| 4-Nitroaniline | ND(0.020) | ND(0.020) | ND(0.20) | ND(0.020) | ND(0.020) | ND(0.020) | NA | NA |
| 4-Nitrophenol | ND(0.020 J) | 0.0080 J | ND(0.050) | ND(0.020 J) | 0.0060 J | ND(0.020 J) | NA | NA |
| Acenaphthene | ND(0.0050) | ND(0.0020) | ND(0.050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Acenaphthylene | ND(0.0050) | ND(0.0020) | ND(0.050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Acetophenone | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Anthracene | ND(0.0050) | ND(0.0020) | ND(0.050 J) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Atrazine | ND(0.0050) | ND(0.0050) | ND(0.050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Benzaldehyde | ND(0.0050) | ND(0.0050) | 0.011 (GCC,IDW,RDW) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Benzo(a)anthracene | ND(0.0050) | ND(0.0010) | 0.011 J (GCC,IDW,RDW) | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | NA |
| Benzo(a)pyrene | ND(0.0050) | ND(0.0020) | 0.066 J (GCC,IDW,RDW) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Benzo(b)fluoranthene | ND(0.0050) | ND(0.0020) | ND(0.050 J) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Benzo(g,h,i)perylene | ND(0.0050) | ND(0.0020) | 0.0088 J (GCC,IDW,RDW) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Benzo(k)fluoranthene | ND(0.0050) | ND(0.0020) | ND(0.050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Biphenyl | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | 0.00010 J | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.0050) | ND(0.0050) | ND(0.015) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| bis(2-Chloroethyl)ether | ND(0.0050) | ND(0.0050) | 0.20 (IDW,RDW) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-21-04 04/06/05 | RFI-23-01R 10/04/04 | Bldg 23 Basement 11/22/02 | RFI-23-01R 04/06/05 | RFI-23-02R 10/04/04 | RFI-23-02R 04/06/05 | RFI-36-02 06/13/02 | RFI-36-02 03/25/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ND(0.0050) | 0.00070 J | ND(0.050) | ND(0.0050) | 0.00070 J | ND(0.0050) | NA | NA |
| Butyl benzylphthalate | ND(0.0050) | ND(0.0050) | ND(0.10) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Caprolactam | ND(0.010 J) | ND(0.010) | ND(0.10 J) | ND(0.010 J) | ND(0.010) | ND(0.010 J) | NA | NA |
| Carbazole | ND(0.010) | ND(0.010) | 0.010 J (GCC,IDW,RDW) | ND(0.010) | ND(0.010) | ND(0.010) | NA | NA |
| Chrysene | ND(0.0050) | ND(0.0020) | ND(0.020 J) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Dibenz(a,h)anthracene | 0.00050 J | ND(0.0020) | ND(0.040) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Dibenzofuran | 0.00010 J | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Diethyl phthalate | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Dimethyl phthalate | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Di-n-butylphthalate | ND(0.0050) | ND(0.0050) | 0.23 J (RDW) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Di-n-octyl phthalate | ND(0.0050) | ND(0.0050) | 0.022 | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Fluoranthene | ND(0.0050) | ND(0.0020) | ND(0.050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Fluorene | 0.00010 J | ND(0.0020) | ND(0.010) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Hexachlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Hexachlorobutadiene | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Hexachlorocyclopentadiene | ND(0.0050 J) | ND(0.0050) | ND(0.050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | NA | NA |
| Hexachloroethane | ND(0.0050) | ND(0.0050) | 0.017 J (GCC,IDW,RDW) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(0.0050) | ND(0.0020) | ND(0.050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| Isophorone | ND(0.0050) | ND(0.0050) | ND(0.10) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Methylphenols, Total | ND(0.0050) | 0.00070 J | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Naphthalene | ND(0.0050) | ND(0.0020) | ND(0.020) | ND(0.0050) | ND(0.0020) | 0.00010 J | NA | NA |
| Nitrobenzene | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| N-Nitrosodi-n-propylamine | ND(0.0050) | ND(0.0050) | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| N-Nitrosodiphenylamine | ND(0.0050) | ND(0.0050) | ND(0.20) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Pentachlorophenol | ND(0.0010) | 0.0020 J (IDW,RDW) | NA | ND(0.0010) | 0.0030 J (IDW,RDW) | ND(0.0010) | NA | NA |
| Phenanthrene | 0.00040 J | ND(0.0020) | 0.016 J | 0.00020 J | ND(0.0020) | 0.00020 J | NA | NA |
| Phenol | ND(0.0050) | 0.00090 J | ND(0.050) | ND(0.0050) | 0.0010 J | ND(0.0050) | NA | NA |
| Pyrene | ND(0.0050) | ND(0.0020) | 0.020 J | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-21-04 04/06/05 | RFI-23-01R 10/04/04 | Bldg 23 Basement 11/22/02 | RFI-23-01R 04/06/05 | RFI-23-02R 10/04/04 | RFI-23-02R 04/06/05 | RFI-36-02 06/13/02 | RFI-36-02 03/25/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | 0.0031 | NA | NA | NA | ND(0.0012) | ND(0.0012) |
| Arsenic | NA | NA | ND(0.0017) | NA | ND(0.0020) | NA | 0.091 (IDW,RDW) | 0.019 |
| Barium | NA | NA | 0.040 | NA | NA | NA | 0.23 J | 0.17 J |
| Beryllium | NA | NA | ND(0.00040) | NA | ND(0.0010) | NA | ND(0.00040 J) | ND(0.00040) |
| Cadmium | NA | NA | 0.00031 | NA | ND(0.00050) | NA | ND(0.00020) | 0.00014 J |
| Chromium Total | NA | NA | 0.0067 | NA | ND(0.0050) | NA | 0.00050 J | 0.00043 J |
| Cobalt | NA | NA | 0.00075 | NA | NA | NA | 0.0053 | 0.012 |
| Copper | NA | NA | 0.0069 | NA | NA | NA | 0.0025 | 0.0031 |
| Cyanide (total) | NA | NA | ND(0.0050) | NA | NA | NA | NA | ND(0.0050) |
| Lead | NA | ND(0.0030) | 0.0077 (IDW,RDW) | NA | ND(0.0030) | NA | 0.00042 J | 0.0013 |
| Manganese | NA | NA | 0.17 J | NA | 0.30 | NA | 1.4 J (RDW) | 0.64 |
| Mercury | NA | NA | ND(0.00020) | NA | NA | NA | ND(0.00020) | ND(0.00020) |
| Nickel | NA | NA | 0.0068 | NA | ND(0.0050) | NA | 0.092 | 0.066 |
| Selenium | NA | NA | 0.0024 J | NA | NA | NA | ND(0.0014) | ND(0.0016) |
| Silver | NA | NA | 0.00052 J | NA | NA | NA | ND(0.00040 J) | ND(0.00040) |
| Thallium | NA | NA | ND(0.00020) | NA | ND(0.0020) | NA | ND(0.00020) | ND(0.00020) |
| Vanadium | NA | NA | 0.00069 J | NA | 0.0090 (RDW) | NA | ND(0.00080) | ND(0.00080) |
| Zinc | NA | NA | 0.094 J | NA | NA | NA | 0.015 J | ND(0.023) |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-02 10/13/04 | RFI-36-03 06/18/02 | RFI-36-03 03/25/03 | RFI-36-03 06/09/05 | RFI-36-04 06/18/02 | RFI-36-04 04/02/03 | RFI-36-05 12/16/02 | RFI-36-05 04/02/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | 0.00040 J | 0.019 | 0.054 | 0.0020 | NA | NA | 0.19 D | 0.12 D |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | 0.0014 | 0.0011 |
| 1,1-Dichloroethane | 0.0040 J | 0.086 | 0.16 D | ND(0.0010) | NA | NA | 0.33 D | 0.24 D |
| 1,1-Dichloroethene | ND(0.0010) | 0.00076 J | 0.0030 | ND(0.0010) | NA | NA | 0.0056 | 0.0025 |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0020) | NA | NA | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | 0.0019 | 0.0011 | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.030) | NA | NA | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | NA | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.0010) | NA | NA | ND(0.050) | ND(0.050) |
| Acetone | ND(0.030) | 0.0015 J | ND(0.025) | ND(0.030) | NA | NA | ND(0.025) | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | 0.0028 | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0020) | NA | NA | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010 J) | 0.016 | 0.019 | ND(0.0010) | NA | NA | 0.0082 | 0.017 |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.012 | NA | NA | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | 0.00077 J | 0.0012 | ND(0.0010) | NA | NA | 0.0019 | 0.0010 |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | NA | NA | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | NA | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | NA | NA | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | NA | NA | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.010) | NA | NA | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.020) | NA | NA | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | 0.00065 J | ND(0.0050) | ND(0.0050) | NA | NA | 0.0047 J | ND(0.0050) |
| Methylene chloride | 0.00040 J | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-02 10/13/04 | RFI-36-03 06/18/02 | RFI-36-03 03/25/03 | RFI-36-03 06/09/05 | RFI-36-04 06/18/02 | RFI-36-04 04/02/03 | RFI-36-05 12/16/02 | RFI-36-05 04/02/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | 0.0023 | 0.0014 |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.030) | NA | NA | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | 0.0019 | ND(0.0010) | ND(0.0010) | NA | NA | 0.00069 J | ND(0.0010) |
| Xylenes (total) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | NA | NA | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-02 10/13/04 | RFI-36-03 06/18/02 | RFI-36-03 03/25/03 | RFI-36-03 06/09/05 | RFI-36-04 06/18/02 | RFI-36-04 04/02/03 | RFI-36-05 12/16/02 | RFI-36-05 04/02/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-02 10/13/04 | RFI-36-03 06/18/02 | RFI-36-03 03/25/03 | RFI-36-03 06/09/05 | RFI-36-04 06/18/02 | RFI-36-04 04/02/03 | RFI-36-05 12/16/02 | RFI-36-05 04/02/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | ND(0.0012) | 0.0014 | NA | ND(0.0012) [0.0011 J] | ND(0.0012) | ND(0.0012) | NA |
| Arsenic | 0.013 | ND(0.0019) | 0.0028 | NA | 0.080 (IDW,RDW) [0.080 J (IDW,RDW)] | 0.087 (IDW,RDW) | 0.0045 | NA |
| Barium | NA | 0.20 | 0.15 J | NA | 0.46 [0.53 J] | 0.41 | 0.15 J | NA |
| Beryllium | NA | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00040 J) [0.00013 J] | ND(0.00040) | ND(0.00040 J) | NA |
| Cadmium | NA | 0.00049 | 0.021 (IDW,RDW) | NA | ND(0.00020) [0.00012 J] | 0.00019 J | 0.00014 J | NA |
| Chromium Total | NA | 0.0012 | 0.0029 | NA | 0.00071 [0.00067] | 0.0033 | 0.0022 | NA |
| Cobalt | NA | 0.0053 | 0.0092 | NA | 0.0029 [0.0031] | 0.0030 | 0.011 J | NA |
| Copper | NA | 0.0045 J | 0.017 | NA | 0.0057 J [0.0034] | 0.0097 | 0.0050 J | NA |
| Cyanide (total) | NA | 0.0061 | ND(0.0050) | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA |
| Lead | NA | 0.00019 J | 0.0052 (IDW,RDW) | NA | 0.0010 [0.00091] | 0.0018 | 0.00096 J | NA |
| Manganese | NA | 0.43 | 0.25 | NA | 0.44 [0.56 J] | 0.60 J | 1.4 J (RDW) | NA |
| Mercury | NA | 0.00039 | ND(0.00020) | NA | ND(0.00020) [ND(0.00020)] | ND(0.00020) | ND(0.00020) | NA |
| Nickel | 0.020 | 0.020 | 0.019 | NA | 0.061 [0.061] | 0.040 | 0.073 J | NA |
| Selenium | NA | 0.0027 J | ND(0.0016) | NA | ND(0.0014) [0.0013 J] | ND(0.0016) | ND(0.0016) | NA |
| Silver | NA | ND(0.00040) | ND(0.00040) | NA | ND(0.00040) [0.00054] | ND(0.00040) | ND(0.00040 J) | NA |
| Thallium | NA | 0.00042 | 0.00023 | NA | ND(0.00021) [0.00012 J] | 0.00022 | 0.00080 J | NA |
| Vanadium | NA | ND(0.00080) | 0.0023 | NA | 0.00021 J [ND(0.00080)] | 0.00065 J | 0.00022 J | NA |
| Zinc | NA | 0.012 J | 0.095 J | NA | 0.034 J [0.017] | 0.026 | 0.014 J | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-05 06/10/05 | RFI-36-08 06/14/02 | RFI-36-08 03/25/03 | RFI-36-08 10/08/04 | RFI-36-09 06/14/02 | RFI-36-09 03/25/03 | RFI-36-10 03/27/03 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | 0.21 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,1,2,2-Tetrachloroethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,1,2-Trichloroethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,1-Dichloroethane | 0.40 | 0.0019 | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,1-Dichloroethene | 0.0090 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,2,4-Trichlorobenzene | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.020) | NA | NA | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010 J) | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,2-Dichlorobenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,2-Dichloroethane | ND(0.0050) | ND(0.0010) | 0.0011 | ND(0.010) | NA | NA | NA |
| 1,2-Dichloropropane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,3-Dichlorobenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 1,4-Dichlorobenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.10) | ND(0.025) | ND(0.025) | ND(0.30) | NA | NA | NA |
| 2-Hexanone | ND(0.30) | ND(0.050) | ND(0.050) | ND(0.50) | NA | NA | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0050) | ND(0.050) | ND(0.050) | ND(0.010) | NA | NA | NA |
| Acetone | ND(0.10) | ND(0.025) | ND(0.025) | ND(0.30) | NA | NA | NA |
| Benzene | ND(0.0050) | 1.3 D (IDW,RDW) | 0.13 D (IDW,RDW) | 0.78 (IDW,RDW) | NA | NA | NA |
| Bromodichloromethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Bromoform | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010 J) | NA | NA | NA |
| Bromomethane (Methyl Bromide) | ND(0.010) | ND(0.0010) | ND(0.0010 J) | ND(0.020 J) | NA | NA | NA |
| Carbon disulfide | ND(0.030) | ND(0.0050) | ND(0.0050) | ND(0.050 J) | NA | NA | NA |
| Carbon tetrachloride | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Chlorobenzene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Chloroethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010 J) | NA | NA | NA |
| Chloroform (Trichloromethane) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Chloromethane (Methyl Chloride) | ND(0.0050) | ND(0.0010) | ND(0.0010 J) | ND(0.010) | NA | NA | NA |
| cis-1,2-Dichloroethene | 0.0030 J | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| cis-1,3-Dichloropropene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.020 J | NA | NA | NA |
| Dibromochloromethane | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Dichlorodifluoromethane (CFC-12) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010 J) | NA | NA | NA |
| Ethylbenzene | ND(0.0050) | 1.2 D (IDW,RDW) | 0.025 | 0.77 (IDW,RDW) | NA | NA | NA |
| Isopropylbenzene | ND(0.0050) | 0.037 J | ND(0.0050) | 0.020 | NA | NA | NA |
| m&p-Xylene | ND(0.0050) | 2.1 D | 0.24 D | 1.6 J | NA | NA | NA |
| Methyl acetate | ND(0.050) | ND(0.0050) | ND(0.0050) | ND(0.10) | NA | NA | NA |
| Methyl cyclohexane | ND(0.10) | 0.064 | 0.028 | 0.090 J | NA | NA | NA |
| Methyl Tert Butyl Ether | 0.0030 J | ND(0.0050) | ND(0.0050) | ND(0.050) | NA | NA | NA |
| Methylene chloride | ND(0.030) | ND(0.0050 J) | ND(0.0050) | 0.010 J (IDW,RDW) | NA | NA | NA |
| o-Xylene | ND(0.0050) | 1.2 D | 0.10 D | 0.91 | NA | NA | NA |
| Styrene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Tetrachloroethene | ND(0.0050) | ND(0.0010 J) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Toluene | ND(0.0050) | 0.87 D | 0.098 D | 1.5 (IDW,RDW) | NA | NA | NA |
| trans-1,2-Dichloroethene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| trans-1,3-Dichloropropene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-05 06/10/05 | RFI-36-08 06/14/02 | RFI-36-08 03/25/03 | RFI-36-08 10/08/04 | RFI-36-09 06/14/02 | RFI-36-09 03/25/03 | RFI-36-10 03/27/03 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Trichlorofluoromethane (CFC-11) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Trifluorotrichloroethane (Freon 113) | ND(0.20) | ND(0.0010) | ND(0.0010) | ND(0.30) | NA | NA | NA |
| Vinyl chloride | 0.019 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.010) | NA | NA | NA |
| Xylenes (total) | ND(0.0050) | 3.3 | 0.34 | 2.5 J | NA | NA | NA |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-05 06/10/05 | RFI-36-08 06/14/02 | RFI-36-08 03/25/03 | RFI-36-08 10/08/04 | RFI-36-09 06/14/02 | RFI-36-09 03/25/03 | RFI-36-10 03/27/03 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-05 06/10/05 | RFI-36-08 06/14/02 | RFI-36-08 03/25/03 | RFI-36-08 10/08/04 | RFI-36-09 06/14/02 | RFI-36-09 03/25/03 | RFI-36-10 03/27/03 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | NA | ND(0.0012) | ND(0.0012) | 0.00044 J [ND(0.0012)] |
| Arsenic | NA | NA | 0.013 | NA | 0.00088 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Barium | NA | NA | 0.093 J | NA | 0.26 | 0.23 J | 0.14 [0.14] |
| Beryllium | NA | NA | ND(0.00040) | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040) [ND(0.00040)] |
| Cadmium | NA | NA | ND(0.00020) | NA | 0.00031 | 0.00038 | 0.00024 [0.00023] |
| Chromium Total | NA | NA | 0.00051 J | NA | 0.0035 | 0.0060 | 0.0032 [0.0031] |
| Cobalt | NA | NA | 0.0010 | NA | 0.00048 | 0.00070 | 0.0023 [0.0023] |
| Copper | NA | NA | 0.0029 | NA | ND(0.0029) | 0.0026 | 0.0069 [0.0055] |
| Cyanide (total) | NA | NA | ND(0.0050) | NA | NA | 0.0093 | 0.010 [0.011] |
| Lead | NA | NA | 0.00040 J | NA | 0.00057 | 0.00024 J | 0.00052 [0.00042] |
| Manganese | NA | NA | 0.57 | NA | 0.0097 J | 0.012 | 0.43 [0.44] |
| Mercury | NA | NA | ND(0.00020) | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) [ND(0.00020)] |
| Nickel | NA | NA | 0.0048 | NA | 0.0047 | 0.011 | 0.013 [0.012] |
| Selenium | NA | NA | ND(0.0016) | NA | ND(0.0014) | ND(0.0016) | 0.0022 J [0.0017 J] |
| Silver | NA | NA | ND(0.00040) | NA | ND(0.00040) | 0.000085 J | 0.00012 J [ND(0.00040)] |
| Thallium | NA | NA | ND(0.00020) | NA | ND(0.00020) | 0.00013 J | 0.000075 J [0.000062 J] |
| Vanadium | NA | NA | ND(0.00080) | NA | ND(0.00080) | ND(0.00080) | ND(0.00080) [ND(0.00080)] |
| Zinc | NA | NA | ND(0.019) | NA | 0.016 | ND(0.013) | 0.020 [0.015] |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | ND(0.0012) | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | 0.0026 J | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | 0.26 | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | ND(0.00040 J) | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | 0.00049 | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | 0.0042 | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | 0.00058 | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | 0.0050 | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | 0.00076 | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | 0.012 | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | 0.0046 | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | 0.0061 J | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | 0.00069 J | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | ND(0.00080) | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | 0.021 | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-13 06/24/02 | RFI-36-14 06/17/02 | RFI-36-14 03/25/03 | RFI-36-14 10/11/04 | RFI-36-17 10/07/04 | RFI-36-17 02/28/05 | RFI-36-17 06/10/05 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | 0.011 [0.012] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,1,2-Trichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,1-Dichloroethane | 0.0041 [0.0044] | ND(0.0010) | NA | ND(0.0010) | 0.022 J | 0.79 | 0.29 |
| 1,1-Dichloroethene | 0.0015 [0.0015] | ND(0.0010) | NA | ND(0.0010) | 0.0010 J | 0.010 (IDW,RDW) | 0.0040 J |
| 1,2,4-Trichlorobenzene | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.010) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,2-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,2-Dichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | 0.0020 | ND(0.0050) |
| 1,2-Dichloropropane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,3-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,4-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) [ND(0.025)] | ND(0.025) | NA | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.10) |
| 2-Hexanone | ND(0.050) [ND(0.050)] | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.30) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) [ND(0.050)] | ND(0.050) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Acetone | ND(0.025) [0.0038 J] | ND(0.025) | NA | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.10) |
| Benzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Bromodichloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Bromoform | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010) | ND(0.0050) |
| Bromomethane (Methyl Bromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0020 J) | ND(0.0020 J) | R | ND(0.010) |
| Carbon disulfide | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.030) |
| Carbon tetrachloride | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Chlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Chloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010 J) | 0.043 J | 0.060 | 0.040 |
| Chloroform (Trichloromethane) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | 0.00020 J | ND(0.0050) |
| Chloromethane (Methyl Chloride) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| cis-1,2-Dichloroethene | 0.061 [0.065] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | 0.00040 J | ND(0.0050) |
| cis-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Cyclohexane | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0050) |
| Ethylbenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Isopropylbenzene | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) [ND(0.0020)] | ND(0.0020) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Methyl acetate | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.050) |
| Methyl cyclohexane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.10) |
| Methyl Tert Butyl Ether | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | ND(0.0050) | 0.0020 J | 0.0020 J | ND(0.030) |
| Methylene chloride | ND(0.0050) [ND(0.0050)] | ND(0.0050 J) | NA | ND(0.0050) | 0.0010 J | 0.0010 J | ND(0.030) |
| o-Xylene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Styrene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Tetrachloroethene | 0.0014 J [0.0014 J] | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Toluene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| trans-1,2-Dichloroethene | 0.013 [0.014] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| trans-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-13 06/24/02 | RFI-36-14 06/17/02 | RFI-36-14 03/25/03 | RFI-36-14 10/11/04 | RFI-36-17 10/07/04 | RFI-36-17 02/28/05 | RFI-36-17 06/10/05 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | 0.032 (IDW,RDW) [0.031 (IDW,RDW)] | ND(0.0010) | NA | ND(0.0010) | 0.00030 J | 0.0020 | ND(0.0050) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.20) |
| Vinyl chloride | 0.014 (IDW,RDW) [0.014 (IDW,RDW)] | ND(0.0010) | NA | ND(0.0010) | 0.082 (IDW,RDW) | 0.20 (IDW,RDW) | 0.11 (IDW,RDW) |
| Xylenes (total) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-13 06/24/02 | RFI-36-14 06/17/02 | RFI-36-14 03/25/03 | RFI-36-14 10/11/04 | RFI-36-17 10/07/04 | RFI-36-17 02/28/05 | RFI-36-17 06/10/05 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-13 06/24/02 | RFI-36-14 06/17/02 | RFI-36-14 03/25/03 | RFI-36-14 10/11/04 | RFI-36-17 10/07/04 | RFI-36-17 02/28/05 | RFI-36-17 06/10/05 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | ND(0.0012) [0.00034 J] | ND(0.0012) | ND(0.0012) [ND(0.0012)] | NA | NA | NA | NA |
| Arsenic | ND(0.0010) [ND(0.0010)] | 0.00048 J | 0.0038 [0.0035] | NA | NA | NA | NA |
| Barium | 0.54 [0.46] | 0.11 | 0.026 [0.026] | NA | NA | NA | NA |
| Beryllium | ND(0.00040) [ND(0.00040)] | ND(0.00040 J) | ND(0.00040) [ND(0.00040)] | ND(0.0010) | NA | NA | NA |
| Cadmium | 0.00049 [0.00048] | 0.00010 J | ND(0.00020) [ND(0.00020)] | NA | NA | NA | NA |
| Chromium Total | 0.00046 J [0.00040 J] | 0.00048 J | 0.00077 [0.00085] | NA | NA | NA | NA |
| Cobalt | 0.0069 [0.0055] | 0.00056 | 0.0019 [0.0018] | NA | NA | NA | NA |
| Copper | 0.014 [0.0081] | ND(0.0028) | 0.0023 [0.0024] | NA | NA | NA | NA |
| Cyanide (total) | ND(0.0050) [ND(0.0050)] | 0.029 | 0.0030 J [0.0033 J] | NA | NA | NA | NA |
| Lead | 0.000093 J [0.00012 J] | 0.00025 J | ND(0.00040) [0.00034 J] | NA | NA | NA | NA |
| Manganese | 2.2 J (RDW) [1.9 (RDW)] | 0.28 J | 0.72 [0.72] | 0.68 | NA | NA | NA |
| Mercury | ND(0.00020) [ND(0.00020)] | ND(0.00020) | ND(0.00020) [ND(0.00020)] | NA | NA | NA | NA |
| Nickel | 0.015 [0.013] | 0.0033 | 0.011 [0.011] | 0.012 | NA | NA | NA |
| Selenium | ND(0.0014) [0.00038 J] | 0.0032 | ND(0.0016) [ND(0.0016)] | NA | NA | NA | NA |
| Silver | ND(0.00046 J) [ND(0.00057 J)] | ND(0.00040) | 0.00037 J [0.00012 J] | NA | NA | NA | NA |
| Thallium | ND(0.00020) [ND(0.00020)] | 0.000088 J | 0.000052 J [ND(0.00020)] | NA | NA | NA | NA |
| Vanadium | ND(0.00080) [ND(0.00080)] | ND(0.00080) | 0.00012 J [ND(0.00080)] | NA | NA | NA | NA |
| Zinc | 0.013 [0.012] | 0.032 | 0.0083 [0.0089] | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | ND(0.0012) [ND(0.0012)] | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | ND(0.0010) [ND(0.0010)] | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | 0.42 [0.42] | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | ND(0.00040) [ND(0.00040)] | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | 0.00041 [0.00042] | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | ND(0.00060) [0.00065] | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | 0.0050 [0.0053] | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | 0.0054 [0.0059] | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | ND(0.00040) [ND(0.00040)] | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | 1.7 J (RDW) [1.8 J (RDW)] | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | ND(0.00020) [ND(0.00020)] | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | 0.011 [0.012] | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | 0.0017 [0.0015] | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | ND(0.00071 J) [0.00088 J] | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | ND(0.00020) [ND(0.00020)] | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | ND(0.00080) [ND(0.00080)] | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | 0.022 [0.014] | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-18 10/07/04 | RFI-36-18 06/08/05 | RFI-36-19 10/06/04 | RFI-36-20 06/22/02 | RFI-36-20 10/06/04 | RFI-36-23 06/19/02 | RFI-36-24 06/19/02 | RFI-36-25R 06/19/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,1-Dichloroethane | 0.0030 J | 0.011 | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | 0.0064 | NA |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | 0.0016 | NA |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0020) | ND(0.0050) | ND(0.0050) | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.030) | ND(0.030) | NA | ND(0.030) | ND(0.025) | ND(0.025) | NA |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050 J) | ND(0.050) | ND(0.050) | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.050) | ND(0.050 J) | NA |
| Acetone | ND(0.030) | ND(0.030) | ND(0.030) | NA | ND(0.030) | ND(0.025) | 0.0012 J | NA |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Bromoform | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | NA |
| Bromomethane (Methyl Bromide) | ND(0.0020 J) | ND(0.0020) | ND(0.0020 J) | NA | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | NA |
| Carbon disulfide | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | 0.00085 J | 0.00097 J | NA |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Chloroethane | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010 J) | 0.021 | ND(0.0010) | NA |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) | NA |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Isopropylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) | NA |
| m&p-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) | NA |
| Methyl acetate | ND(0.010) | ND(0.010) | ND(0.010 J) | NA | ND(0.010) | ND(0.0050) | ND(0.0050) | NA |
| Methyl cyclohexane | ND(0.020) | ND(0.020) | ND(0.020) | NA | ND(0.020) | ND(0.0010) | ND(0.0010) | NA |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | NA |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-18 10/07/04 | RFI-36-18 06/08/05 | RFI-36-19 10/06/04 | RFI-36-20 06/22/02 | RFI-36-20 10/06/04 | RFI-36-23 06/19/02 | RFI-36-24 06/19/02 | RFI-36-25R 06/19/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | 0.00080 J | NA | 0.0020 | ND(0.0010) | ND(0.0010) | NA |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.030) | ND(0.030) | NA | ND(0.030) | ND(0.0010) | ND(0.0010) | NA |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA |
| Xylenes (total) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) | NA |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-18 10/07/04 | RFI-36-18 06/08/05 | RFI-36-19 10/06/04 | RFI-36-20 06/22/02 | RFI-36-20 10/06/04 | RFI-36-23 06/19/02 | RFI-36-24 06/19/02 | RFI-36-25R 06/19/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-18 10/07/04 | RFI-36-18 06/08/05 | RFI-36-19 10/06/04 | RFI-36-20 06/22/02 | RFI-36-20 10/06/04 | RFI-36-23 06/19/02 | RFI-36-24 06/19/02 | RFI-36-25R 06/19/02 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | NA | ND(0.0012) | NA | ND(0.0012) | NA | ND(0.0012) |
| Arsenic | NA | NA | NA | ND(0.0010) | NA | 0.093 (IDW,RDW) | NA | 0.0036 |
| Barium | NA | NA | NA | 0.023 | NA | 0.075 | NA | 0.39 |
| Beryllium | NA | NA | NA | ND(0.00040) | NA | ND(0.00040 J) | NA | ND(0.00040 J) |
| Cadmium | NA | NA | NA | ND(0.00020) | NA | ND(0.00020) | NA | ND(0.00020) |
| Chromium Total | NA | NA | NA | 0.00056 J | NA | 0.0010 | NA | 0.0010 |
| Cobalt | NA | NA | NA | 0.00014 J | NA | 0.00090 | NA | 0.00076 |
| Copper | NA | NA | NA | 0.0046 | NA | 0.0044 J | NA | 0.010 J |
| Cyanide (total) | NA | NA | NA | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0050) |
| Lead | NA | NA | NA | 0.000089 J | NA | 0.00017 J | NA | 0.00044 |
| Manganese | NA | NA | NA | 0.00054 J | NA | 0.098 | NA | 0.57 |
| Mercury | NA | NA | NA | ND(0.00020) | NA | ND(0.00020) | NA | ND(0.00020) |
| Nickel | NA | NA | NA | 0.0028 | NA | 0.010 | NA | 0.0074 |
| Selenium | NA | NA | NA | ND(0.0014) | NA | ND(0.0014) | NA | ND(0.0014) |
| Silver | NA | NA | NA | ND(0.00040 J) | NA | ND(0.00040) | NA | ND(0.00040) |
| Thallium | NA | NA | NA | ND(0.00020) | NA | ND(0.00020) | NA | 0.000057 J |
| Vanadium | NA | NA | NA | ND(0.00080) | NA | 0.0038 | NA | 0.00050 J |
| Zinc | NA | NA | NA | 0.0076 | NA | 0.0085 J | NA | 0.030 J |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | 0.0022 | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | ND(0.0010) | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | 0.019 | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | 0.0013 | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | 0.0039 | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | ND(0.0050) | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | 0.00048 J | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | 0.0023 | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | ND(0.0014) | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | ND(0.00040 J) | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | ND(0.00080) | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | ND(0.0060) | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-29R 06/20/02 | RFI-36-29R 04/03/03 | RFI-36-32 12/19/02 | RFI-36-32 04/02/03 | RFI-36-35 06/18/02 | RFI-36-37 06/22/02 | RFI-36-37 06/10/05 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010 J) [ND(0.0010)] | ND(0.0010) | NA | NA | 0.27 D (IDW,RDW) | ND(0.0010) | 0.00060 J |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.018 J [0.028 J] | 0.081 | NA | NA | 0.78 D | 0.053 | 0.0010 |
| 1,1-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | 0.095 (IDW,RDW) | 0.0015 | 0.0020 |
| 1,2,4-Trichlorobenzene | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010 J) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | 0.0017 [0.0027] | 0.0069 (IDW,RDW) | NA | NA | 0.0093 (IDW,RDW) | 0.0017 | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | 0.0027 J [ND(0.025)] | ND(0.025) | NA | NA | ND(0.025) | 0.0026 J | ND(0.030) |
| 2-Hexanone | ND(0.050) [ND(0.050)] | ND(0.050) | NA | NA | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) [ND(0.050)] | ND(0.050) | NA | NA | ND(0.050) | ND(0.050) | ND(0.0010) |
| Acetone | ND(0.025) [ND(0.025)] | ND(0.025) | NA | NA | 0.0034 J | ND(0.025) | ND(0.030) |
| Benzene | 0.050 J (IDW,RDW) [0.085 J (IDW,RDW)] | 0.36 D (IDW,RDW) | NA | NA | 0.0023 | ND(0.0010) | 0.0090 (IDW,RDW) |
| Bromodichloromethane | ND(0.0010 J) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010 J) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0020) |
| Carbon disulfide | ND(0.0050) [0.0025 J] | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010 J) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | 0.026 J [0.040 J] | 0.093 | NA | NA | 1.1 D (RDW) | 0.10 | 0.0050 J |
| Chloroform (Trichloromethane) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.0043 J [0.0068 J] | 0.018 | NA | NA | 0.017 | 0.0010 | 0.00040 J |
| cis-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0010) |
| Dibromochloromethane | ND(0.0010 J) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0010) |
| m&p-Xylene | ND(0.0020) [ND(0.0020)] | ND(0.0020) | NA | NA | ND(0.0020) | ND(0.0020) | ND(0.0010) |
| Methyl acetate | ND(0.0050 J) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.010) |
| Methyl cyclohexane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.020) |
| Methyl Tert Butyl Ether | 0.0057 [0.0077] | 0.012 | NA | NA | 0.0057 | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) [ND(0.0050)] | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Toluene | 0.00057 J [0.0010] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | 0.0015 | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-29R 06/20/02 | RFI-36-29R 04/03/03 | RFI-36-32 12/19/02 | RFI-36-32 04/02/03 | RFI-36-35 06/18/02 | RFI-36-37 06/22/02 | RFI-36-37 06/10/05 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.030) |
| Vinyl chloride | 0.029 J (IDW,RDW) [0.050 J (IDW,RDW)] | 0.078 D (IDW,RDW) | NA | NA | 0.093 (IDW,RDW) | 0.00056 J | ND(0.0010) |
| Xylenes (total) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | NA | NA | ND(0.0020) | ND(0.0020) | ND(0.0010) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-29R 06/20/02 | RFI-36-29R 04/03/03 | RFI-36-32 12/19/02 | RFI-36-32 04/02/03 | RFI-36-35 06/18/02 | RFI-36-37 06/22/02 | RFI-36-37 06/10/05 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-29R 06/20/02 | RFI-36-29R 04/03/03 | RFI-36-32 12/19/02 | RFI-36-32 04/02/03 | RFI-36-35 06/18/02 | RFI-36-37 06/22/02 | RFI-36-37 06/10/05 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | 0.0010 J [ND(0.0012)] | 0.00039 J | 0.0014 J | ND(0.0012) | ND(0.0012) | NA | NA |
| Arsenic | 0.085 (IDW,RDW) [0.10 (IDW,RDW)] | 0.14 (IDW,RDW) | 0.076 J (IDW,RDW) | 0.037 | 0.015 | NA | NA |
| Barium | 0.15 [0.19] | 0.18 | 0.32 J | 0.23 | 0.42 | NA | NA |
| Beryllium | ND(0.00040) [ND(0.00040)] | ND(0.00040) | 0.00045 J | ND(0.00040) | ND(0.00040 J) | NA | NA |
| Cadmium | 0.00025 [0.00027] | ND(0.00020) | 0.0032 J | 0.00016 J | 0.00027 | NA | NA |
| Chromium Total | 0.0017 [0.0016] | 0.0010 | 0.025 J | 0.0019 | 0.0030 | NA | NA |
| Cobalt | 0.0014 [0.0018] | 0.0021 | 0.010 J | 0.0037 | 0.0041 | NA | NA |
| Copper | 0.0089 [0.0065] | 0.0051 | 0.070 J | 0.0034 | 0.0068 J | NA | NA |
| Cyanide (total) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.0023 J | NA | NA |
| Lead | 0.0019 [0.0021] | 0.0013 | 0.022 J (IDW,RDW) | 0.00020 J | 0.0022 | NA | NA |
| Manganese | 0.12 [0.15] | 0.10 J | 2.2 J (RDW) | 1.2 J (RDW) | 1.1 (RDW) | NA | NA |
| Mercury | ND(0.00020) [0.00019 J] | ND(0.00020) | ND(0.00020) | ND(0.00020) | ND(0.00020) | NA | NA |
| Nickel | 0.013 [0.017] | 0.013 | 0.034 J | 0.021 | 0.038 | NA | NA |
| Selenium | 0.00069 J [0.00043 J] | ND(0.0016) | ND(0.0016) | ND(0.0016) | ND(0.0014) | NA | NA |
| Silver | 0.00027 J [ND(0.00040 J)] | ND(0.00040) | 0.00015 J | ND(0.00040) | ND(0.00040) | NA | NA |
| Thallium | 0.00019 J [0.00012 J] | 0.00029 | 0.0013 J | 0.00016 J | ND(0.00020) | NA | NA |
| Vanadium | 0.0010 [0.0012] | 0.0013 | 0.025 J (RDW) | ND(0.00080) | 0.0025 | NA | NA |
| Zinc | 0.089 J [0.089 J] | 0.015 | 0.13 J | 0.016 | 0.024 J | NA | NA |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | ND(0.0012) | NA | NA | ND(0.0012) | NA | NA |
| Arsenic (Dissolved) | NA | 0.050 | NA | NA | 0.012 | NA | NA |
| Barium (Dissolved) | NA | 0.16 | NA | NA | 0.34 | NA | NA |
| Beryllium (Dissolved) | NA | ND(0.00040) | NA | NA | ND(0.00040 J) | NA | NA |
| Cadmium (Dissolved) | NA | ND(0.00020) | NA | NA | 0.00031 | NA | NA |
| Chromium Total (Dissolved) | NA | 0.0065 | NA | NA | 0.0054 | NA | NA |
| Cobalt (Dissolved) | NA | 0.0015 | NA | NA | 0.0032 | NA | NA |
| Copper (Dissolved) | NA | 0.0014 | NA | NA | 0.0072 | NA | NA |
| Cyanide (dissolved) | NA | ND(0.0050) | NA | NA | 0.0023 J | NA | NA |
| Lead (Dissolved) | NA | 0.00018 J | NA | NA | 0.00091 | NA | NA |
| Manganese (Dissolved) | NA | 0.086 | NA | NA | 0.89 J (RDW) | NA | NA |
| Mercury (Dissolved) | NA | ND(0.00020) | NA | NA | ND(0.00020) | NA | NA |
| Nickel (Dissolved) | NA | 0.0097 | NA | NA | 0.031 | NA | NA |
| Selenium (Dissolved) | NA | ND(0.0016) | NA | NA | 0.0022 | NA | NA |
| Silver (Dissolved) | NA | 0.00015 J | NA | NA | 0.00044 | NA | NA |
| Thallium (Dissolved) | NA | ND(0.00020) | NA | NA | ND(0.00020) | NA | NA |
| Vanadium (Dissolved) | NA | 0.0017 | NA | NA | 0.0017 | NA | NA |
| Zinc (Dissolved) | NA | 0.011 | NA | NA | 0.024 | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-44 06/20/02 | RFI-36-44 03/25/03 | RFI-36-44 10/07/04 | RFI-36-44 06/08/05 | RFI-36-45 06/20/02 | RFI-36-45 03/25/03 | RFI-36-45 06/10/05 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | 0.033 | 0.042 | 0.048 | 0.028 | 0.19 D | 0.22 D (IDW,RDW) [0.20 D] | 0.013 [0.013] |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| 1,1-Dichloroethane | 0.025 | 0.037 | 0.033 | 0.029 | 0.44 D | 1.1 D (RDW) [1.1 D (RDW)] | 0.12 [0.14] |
| 1,1-Dichloroethene | 0.0017 | 0.0024 | 0.00080 J | 0.0010 | 0.021 (IDW,RDW) | 0.073 (IDW,RDW) [0.074 (IDW,RDW)] | 0.013 (IDW,RDW) [0.013 (IDW,RDW)] |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0020) [ND(0.0020)] |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0019 | 0.0053 (IDW,RDW) [0.0056 (IDW,RDW)] | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.030) | ND(0.025) | ND(0.025) [ND(0.025)] | ND(0.030) [ND(0.030)] |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] | ND(0.050) [ND(0.050)] |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.0010) | ND(0.050) | ND(0.050) [ND(0.050)] | ND(0.0010) [ND(0.0010)] |
| Acetone | ND(0.025) | ND(0.025) | ND(0.030 J) | ND(0.030) | ND(0.025) | ND(0.025) [ND(0.025)] | ND(0.030) [ND(0.030)] |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010 J) | ND(0.0020 J) | ND(0.0020) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0020) [ND(0.0020)] |
| Carbon disulfide | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) [ND(0.0050 J)] | ND(0.0050) [ND(0.0050)] |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Chloroethane | 0.0064 | 0.013 | ND(0.0010 J) | 0.0030 | 0.11 D | 0.11 D [0.10 D] | 0.0050 J [0.0040 J] |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| cis-1,2-Dichloroethene | 0.00073 J | 0.0011 | ND(0.0010) | ND(0.0010) | 0.0024 | 0.011 [0.011] | 0.0010 [0.0010] |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0010 J) | ND(0.0010) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0010) [ND(0.0010)] |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0010) [ND(0.0010)] |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0010) [ND(0.0010)] |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.010) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.010) [ND(0.010)] |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010 J) [ND(0.0010 J)] | ND(0.020) [ND(0.020)] |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.0036 J | 0.0052 [0.0053] | ND(0.0050) [ND(0.0050)] |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) [ND(0.0050)] |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-44 06/20/02 | RFI-36-44 03/25/03 | RFI-36-44 10/07/04 | RFI-36-44 06/08/05 | RFI-36-45 06/20/02 | RFI-36-45 03/25/03 | RFI-36-45 06/10/05 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | 0.0031 | 0.0039 | 0.0020 | 0.0010 | 0.00057 J | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) [ND(0.0010)] |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.030) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.030) [ND(0.030)] |
| Vinyl chloride | 0.0016 | 0.0021 (IDW,RDW) | ND(0.0010) | ND(0.0010) | 0.065 (IDW,RDW) | 0.11 D (IDW,RDW) [0.11 D (IDW,RDW)] | ND(0.0010) [ND(0.0010)] |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0010) [ND(0.0010)] |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-44 06/20/02 | RFI-36-44 03/25/03 | RFI-36-44 10/07/04 | RFI-36-44 06/08/05 | RFI-36-45 06/20/02 | RFI-36-45 03/25/03 | RFI-36-45 06/10/05 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-44 06/20/02 | RFI-36-44 03/25/03 | RFI-36-44 10/07/04 | RFI-36-44 06/08/05 | RFI-36-45 06/20/02 | RFI-36-45 03/25/03 | RFI-36-45 06/10/05 |
|---|---|---|---|---|---|---|---|
| **norganic** | | | | | | | |
| Antimony | NA | NA | NA | NA | NA | NA | NA |
| Arsenic | 0.0011 J | NA | NA | NA | NA | NA | NA |
| Barium | NA | NA | NA | NA | NA | NA | NA |
| Beryllium | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total | NA | NA | NA | NA | 0.00082 | NA | NA |
| Cobalt | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | 0.51 | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA |
| Selenium | NA | NA | NA | NA | NA | NA | NA |
| Silver | NA | NA | NA | NA | NA | NA | NA |
| Thallium | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | NA | NA | NA | NA | ND(0.00080) | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA |
| **norganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-46 06/17/02 | RFI-36-46 03/25/03 | RFI-36-46 10/11/04 | RFI-36-46 06/09/05 | RFI-36-47 12/13/02 | RFI-36-47 03/25/03 | RFI-36-47 06/10/05 | RFI-36-48 12/13/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | 0.059 | 0.072 | 0.044 | 0.018 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.11 D | 0.049 | 0.016 J | 0.021 | 0.0085 | 0.0040 | 0.0060 | ND(0.0010) |
| 1,1-Dichloroethene | 0.021 (IDW,RDW) | 0.013 (IDW,RDW) | 0.0050 J | 0.0040 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | 0.0011 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00077 J |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.030) | 0.0013 J | ND(0.025) | ND(0.030) | 0.0017 J |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0020) | ND(0.0010 J) | ND(0.0010) | ND(0.0020) | ND(0.0010 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | 0.0018 | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | 0.00050 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| cis-1,2-Dichloroethene | 0.00089 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0030) | ND(0.0050) | ND(0.0010) | ND(0.0030) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.010) | ND(0.0030) | ND(0.0050) | ND(0.010) | ND(0.0030) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010 J) | ND(0.020) | ND(0.020) | ND(0.0030) | ND(0.0010 J) | ND(0.020) | ND(0.0030) |
| Methyl Tert Butyl Ether | 0.00080 J | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00086 J |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-46 06/17/02 | RFI-36-46 03/25/03 | RFI-36-46 10/11/04 | RFI-36-46 06/09/05 | RFI-36-47 12/13/02 | RFI-36-47 03/25/03 | RFI-36-47 06/10/05 | RFI-36-48 12/13/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.030) | ND(0.0030) | ND(0.0010) | ND(0.030) | ND(0.0030) |
| Vinyl chloride | 0.00059 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-46 06/17/02 | RFI-36-46 03/25/03 | RFI-36-46 10/11/04 | RFI-36-46 06/09/05 | RFI-36-47 12/13/02 | RFI-36-47 03/25/03 | RFI-36-47 06/10/05 | RFI-36-48 12/13/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-46 06/17/02 | RFI-36-46 03/25/03 | RFI-36-46 10/11/04 | RFI-36-46 06/09/05 | RFI-36-47 12/13/02 | RFI-36-47 03/25/03 | RFI-36-47 06/10/05 | RFI-36-48 12/13/02 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | ND(0.0012) | 0.00047 J | NA | NA | NA | NA | NA | NA |
| Arsenic | 0.00048 J | ND(0.0010) | NA | NA | NA | NA | NA | NA |
| Barium | 0.32 | 0.30 J | NA | NA | NA | NA | NA | NA |
| Beryllium | ND(0.00040 J) | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Cadmium | 0.00015 J | 0.00024 | NA | NA | NA | NA | NA | NA |
| Chromium Total | 0.00028 J | 0.0014 | NA | NA | NA | NA | NA | NA |
| Cobalt | 0.0043 | 0.0040 | NA | NA | NA | NA | NA | NA |
| Copper | 0.0074 | 0.0035 | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Lead | 0.00014 J | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Manganese | 1.6 J (RDW) | 1.2 (RDW) | NA | NA | NA | NA | NA | NA |
| Mercury | ND(0.00020) | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Nickel | 0.018 | 0.015 | NA | NA | NA | NA | NA | NA |
| Selenium | 0.00094 J | ND(0.0016) | NA | NA | NA | NA | NA | NA |
| Silver | ND(0.00040) | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Thallium | ND(0.00020) | 0.00072 | NA | NA | NA | NA | NA | NA |
| Vanadium | ND(0.00080) | ND(0.00080) | NA | NA | NA | NA | NA | NA |
| Zinc | 0.017 | ND(0.017) | NA | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-48 02/28/05 | RFI-36-48 06/10/05 | RFI-36-51 04/28/03 | RFI-36-51 06/10/05 | RFI-36-53 04/04/05 | RFI-36-53 06/10/05 | RFI-36-55 07/06/05 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.30 D (IDW,RDW) | 0.12 | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.0017 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.0030 [0.0020] | 0.0020 | 0.29 D | 0.050 | 0.0030 | 0.0010 | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.090 D (IDW,RDW) | 0.014 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) [ND(0.0020)] | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.0016 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) [ND(0.030)] | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) |
| 2-Hexanone | ND(0.050 J) [ND(0.050 J)] | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Acetone | ND(0.030) [ND(0.030)] | ND(0.030) | 0.0011 J | ND(0.030) | 0.0060 J | ND(0.030) | ND(0.030) |
| Benzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.0044 | 0.00080 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | R [R] | ND(0.0020) | ND(0.0010) | ND(0.0020) | R | ND(0.0020) | ND(0.0020) |
| Carbon disulfide | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | 0.0020 [0.0010] | ND(0.0010) | 0.034 | ND(0.0010) | 0.0090 J | 0.0070 J | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.0040 | 0.00030 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Dibromochloromethane | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0040 | 0.0030 | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0050) | ND(0.0010) | 0.0030 J | 0.0030 | 0.00020 J |
| m&p-Xylene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0020) | ND(0.0010) | 0.0090 | 0.0070 | ND(0.0010) |
| Methyl acetate | ND(0.010) [ND(0.010)] | ND(0.010) | ND(0.0050) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) |
| Methyl cyclohexane | ND(0.020) [ND(0.020)] | ND(0.020) | ND(0.0010) | ND(0.020) | 0.00080 J | 0.0010 J | ND(0.020) |
| Methyl Tert Butyl Ether | 0.00020 J [0.00030 J] | ND(0.0050) | 0.0011 J | ND(0.0050) | 0.0010 J | 0.00090 J | ND(0.0050) |
| Methylene chloride | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0020 | 0.0010 | ND(0.0010) |
| Styrene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0010 J |
| Toluene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00040 J | 0.00030 J | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.00055 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-48 02/28/05 | RFI-36-48 06/10/05 | RFI-36-51 04/28/03 | RFI-36-51 06/10/05 | RFI-36-53 04/04/05 | RFI-36-53 06/10/05 | RFI-36-55 07/06/05 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.0011 | 0.00030 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) [ND(0.030)] | ND(0.030) | ND(0.0010) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) |
| Vinyl chloride | 0.0050 (IDW,RDW) [0.0060 (IDW,RDW)] | 0.0040 (IDW,RDW) | 0.010 (IDW,RDW) | 0.0010 | 0.013 (IDW,RDW) | 0.013 (IDW,RDW) | ND(0.0010) |
| Xylenes (total) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0020) | ND(0.0010) | 0.011 | 0.0080 | ND(0.0010) |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-48 02/28/05 | RFI-36-48 06/10/05 | RFI-36-51 04/28/03 | RFI-36-51 06/10/05 | RFI-36-53 04/04/05 | RFI-36-53 06/10/05 | RFI-36-55 07/06/05 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-48 02/28/05 | RFI-36-48 06/10/05 | RFI-36-51 04/28/03 | RFI-36-51 06/10/05 | RFI-36-53 04/04/05 | RFI-36-53 06/10/05 | RFI-36-55 07/06/05 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | NA | NA | 0.00071 J | NA | NA | NA | NA |
| Arsenic | NA | NA | 0.00079 J | NA | NA | NA | NA |
| Barium | NA | NA | 0.058 | NA | NA | NA | NA |
| Beryllium | NA | NA | 0.00028 J | NA | NA | NA | NA |
| Cadmium | NA | NA | 0.00022 | NA | NA | NA | NA |
| Chromium Total | NA | NA | 0.00025 J | NA | NA | NA | NA |
| Cobalt | NA | NA | 0.0041 | NA | NA | NA | NA |
| Copper | NA | NA | 0.0073 | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | ND(0.0050) | NA | NA | NA | NA |
| Lead | NA | NA | 0.00048 | NA | NA | NA | NA |
| Manganese | NA | NA | 0.42 | NA | NA | NA | NA |
| Mercury | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Nickel | NA | NA | 0.013 | NA | NA | NA | NA |
| Selenium | NA | NA | 0.0025 | NA | NA | NA | NA |
| Silver | NA | NA | 0.00018 J | NA | NA | NA | NA |
| Thallium | NA | NA | 0.00016 J | NA | NA | NA | NA |
| Vanadium | NA | NA | 0.00015 J | NA | NA | NA | NA |
| Zinc | NA | NA | 0.012 | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-56 07/21/05 | RFI-38-04 06/13/02 | RFI-38-04 03/25/03 | RFI-38-06 06/13/02 | RFI-38-06 03/25/03 | RFI-38-06 10/13/04 | RFI-40-03 06/24/02 | RFI-40-03 03/27/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.0040 | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | NA | NA | NA | NA | NA | 0.00064 J | 0.0013 |
| 1,2,4-Trichlorobenzene | ND(0.0020) | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | NA | NA | NA | NA | NA | ND(0.025 J) | ND(0.025) |
| 2-Hexanone | ND(0.050) | NA | NA | NA | NA | NA | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.050) | ND(0.050) |
| Acetone | ND(0.030) | NA | NA | NA | NA | NA | 0.0025 J | ND(0.025) |
| Benzene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | NA | NA | NA | NA | NA | 0.0062 | 0.010 |
| cis-1,3-Dichloropropene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0010 J) | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.010) | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050 J) |
| Methyl cyclohexane | ND(0.020) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | NA | NA | NA | NA | NA | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | NA | NA | NA | NA | NA | 0.00061 J | 0.0010 |
| trans-1,3-Dichloropropene | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-56 07/21/05 | RFI-38-04 06/13/02 | RFI-38-04 03/25/03 | RFI-38-06 06/13/02 | RFI-38-06 03/25/03 | RFI-38-06 10/13/04 | RFI-40-03 06/24/02 | RFI-40-03 03/27/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | 0.00030 J | NA | NA | NA | NA | NA | 0.073 (IDW,RDW) | 0.12 D (IDW,RDW) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | NA | NA | NA | NA | NA | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) | 0.0030 (IDW,RDW) |
| Xylenes (total) | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-56 07/21/05 | RFI-38-04 06/13/02 | RFI-38-04 03/25/03 | RFI-38-06 06/13/02 | RFI-38-06 03/25/03 | RFI-38-06 10/13/04 | RFI-40-03 06/24/02 | RFI-40-03 03/27/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-36-56 07/21/05 | RFI-38-04 06/13/02 | RFI-38-04 03/25/03 | RFI-38-06 06/13/02 | RFI-38-06 03/25/03 | RFI-38-06 10/13/04 | RFI-40-03 06/24/02 | RFI-40-03 03/27/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | ND(0.0012) | ND(0.0012) | ND(0.0012) | 0.00036 J | NA | 0.0011 J | NA |
| Arsenic | NA | 0.00098 J | ND(0.0010) | 0.0027 | 0.0015 | NA | 0.00099 J | NA |
| Barium | NA | 0.097 J | 0.039 J | 0.083 J | 0.098 J | NA | 0.096 | NA |
| Beryllium | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040 J) | ND(0.00040) | ND(0.0010) | ND(0.00040) | NA |
| Cadmium | NA | 0.000063 J | ND(0.00020) | 0.000083 J | 0.000098 J | NA | 0.00020 | NA |
| Chromium Total | NA | 0.0011 | 0.0017 | 0.00022 J | 0.00038 J | NA | 0.00050 J | NA |
| Cobalt | NA | 0.0016 | 0.00042 | 0.0042 | 0.0042 | NA | 0.0022 | NA |
| Copper | NA | 0.0058 | 0.0021 | 0.0031 | 0.0028 | NA | 0.0056 | NA |
| Cyanide (total) | NA | NA | ND(0.0050) | NA | ND(0.0050) | NA | ND(0.0050) | NA |
| Lead | NA | 0.0010 J | ND(0.00040) | 0.000093 J | 0.00022 J | NA | 0.00065 | NA |
| Manganese | NA | 0.49 | 0.24 | 0.41 | 0.34 | NA | 1.0 J (RDW) | NA |
| Mercury | NA | ND(0.00020) | ND(0.00020) | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) | NA |
| Nickel | NA | 0.012 | 0.0039 | 0.013 | 0.015 | NA | 0.013 | NA |
| Selenium | NA | ND(0.0014) | ND(0.0016) | ND(0.0014) | ND(0.0016) | NA | ND(0.0014) | NA |
| Silver | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00044 J) | NA |
| Thallium | NA | 0.000045 J | 0.000068 J | 0.0022 (IDW,RDW) | 0.0026 (IDW,RDW) | 0.0030 (IDW,RDW) | ND(0.00020) | NA |
| Vanadium | NA | 0.00075 J | ND(0.00080) | ND(0.00080) | ND(0.00080) | NA | ND(0.00080) | NA |
| Zinc | NA | 0.014 J | ND(0.0068) | 0.0079 J | ND(0.013) | NA | 0.025 | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | ND(0.0012) | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | 0.0033 | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | 0.14 | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | ND(0.00040) | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | 0.0049 | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | 0.0031 | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | ND(0.015) | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | 0.0065 (IDW,RDW) | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | 1.7 J (RDW) | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | 0.017 | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | ND(0.0014) | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | ND(0.00040 J) | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | ND(0.00020) | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | 0.0045 | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | 0.037 J | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-40-04 12/18/02 | RFI-40-07 06/24/02 | RFI-40-09 06/24/02 | RFI-40-09 03/26/03 | RFI-40-10 06/24/02 | RFI-40-10R 04/24/03 | RFI-40-11 04/03/03 | RFI-40-13 09/16/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | 0.0013 | 0.0011 | ND(0.0010) | 0.00067 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | 0.0012 J | 0.0017 J | ND(0.025) | ND(0.025 J) | ND(0.025) | ND(0.025) | ND(0.025) [ND(0.025)] |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] |
| Acetone | ND(0.025) | ND(0.025) | 0.0091 J | ND(0.025) | ND(0.025) | 0.0014 J | ND(0.025) | ND(0.025) [ND(0.025)] |
| Benzene | ND(0.0010) | ND(0.0010) | 0.73 D (IDW,RDW) | 0.85 D (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Bromomethane (Methyl Bromide) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Carbon tetrachloride | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0055 | 0.093 (IDW,RDW) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Cyclohexane | ND(0.0050) | ND(0.0050) | 0.17 D | 0.079 D | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.011 [0.012] |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | 0.036 | 0.0066 | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0024 [0.0023] |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | 0.014 | 0.0068 | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.00084 J [0.00084 J] |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | 0.0070 | 0.0055 | ND(0.0020) | ND(0.0020) | ND(0.0020) | 0.0030 [0.0031] |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | 0.088 D | 0.029 | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0094 [0.0095] |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] |
| o-Xylene | ND(0.0010) | ND(0.0010) | 0.0021 | 0.0012 | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00043 J [0.00043 J] |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00052 J | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Toluene | ND(0.0010) | ND(0.0010) | 0.011 | 0.014 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0033 | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-40-04 12/18/02 | RFI-40-07 06/24/02 | RFI-40-09 06/24/02 | RFI-40-09 03/26/03 | RFI-40-10 06/24/02 | RFI-40-10R 04/24/03 | RFI-40-11 04/03/03 | RFI-40-13 09/16/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.017 (IDW,RDW) | 0.10 (IDW,RDW) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0078 (IDW,RDW) | ND(0.0010) | ND(0.0010) [ND(0.0010)] |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | 0.0091 | 0.0067 | ND(0.0020) | ND(0.0020) | ND(0.0020) | 0.0034 J [0.0035 J] |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-40-04 12/18/02 | RFI-40-07 06/24/02 | RFI-40-09 06/24/02 | RFI-40-09 03/26/03 | RFI-40-10 06/24/02 | RFI-40-10R 04/24/03 | RFI-40-11 04/03/03 | RFI-40-13 09/16/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) [ND(0.00010)] |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) [ND(0.00010)] |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) [ND(0.00010)] |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) [ND(0.00010)] |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) [ND(0.00010)] |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) [ND(0.00010)] |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) [ND(0.00010)] |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) [ND(0.00010)] |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
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|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | NA | NA | NA | NA | 0.0014 J [0.0014 J] |
| Arsenic | NA | NA | 0.043 | NA | NA | NA | NA | 0.0087 J [0.0086 J] |
| Barium | NA | NA | 0.33 | NA | NA | NA | NA | 0.071 [0.070] |
| Beryllium | NA | NA | ND(0.00040) | NA | NA | NA | NA | 0.17 J (IDW,RDW) [0.19 J (IDW,RDW)] |
| Cadmium | NA | NA | 0.000096 J | NA | NA | NA | NA | 0.0020 J [0.0019 J] |
| Chromium Total | NA | NA | 0.00026 J | NA | NA | NA | NA | 0.0065 J [0.0059 J] |
| Cobalt | NA | NA | 0.0017 | NA | NA | NA | NA | 0.0040 [0.0038] |
| Copper | NA | NA | 0.0028 | NA | NA | NA | NA | 0.016 J [0.016 J] |
| Cyanide (total) | NA | NA | ND(0.0050) | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] |
| Lead | NA | NA | 0.00031 J | NA | NA | NA | NA | 0.0011 [0.0011] |
| Manganese | NA | NA | 0.12 J | NA | NA | NA | NA | 0.20 [0.20] |
| Mercury | NA | NA | ND(0.00020) | NA | NA | NA | NA | ND(0.00020) [ND(0.00020)] |
| Nickel | NA | NA | 0.0040 | NA | NA | NA | NA | 0.019 J [0.018 J] |
| Selenium | NA | NA | ND(0.0014) | NA | NA | NA | NA | ND(0.0016 J) [ND(0.0016 J)] |
| Silver | NA | NA | ND(0.00040 J) | NA | NA | NA | NA | 0.0013 J [0.0012 J] |
| Thallium | NA | NA | ND(0.00020) | NA | NA | NA | NA | 0.00099 [0.00094] |
| Vanadium | NA | NA | 0.00025 J | NA | NA | NA | NA | ND(0.00080) [ND(0.00080)] |
| Zinc | NA | NA | 0.0089 | NA | NA | NA | NA | ND(0.031 J) [ND(0.027 J)] |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | ND(0.0012) | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | 0.041 | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | 0.29 | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | ND(0.00040) | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | ND(0.00060) | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | 0.0014 | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | 0.0040 | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | ND(0.0050) | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | ND(0.00040) | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | 0.10 J | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | 0.0035 | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | ND(0.0014) | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | 0.00084 J | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | ND(0.00080) | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | 0.015 | NA | NA | NA | NA | NA |

**TABLE C-2**
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**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-40-13 10/13/03 | RFI-40-14R 04/22/03 | RFI-40-15 04/22/03 | RFI-44-04 12/20/02 | RFI-44-04 04/03/03 | RFI-44-05 12/20/02 | RFI-44-05 03/24/03 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,1-Dichloroethane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,1-Dichloroethene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050 J) | NA | NA | NA | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,2-Dichloroethane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,2-Dichloropropane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,3-Dichlorobenzene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| 2-Butanone (Methyl Ethyl Ketone) | NA | ND(0.025) [ND(0.025)] | 0.0037 J | NA | NA | NA | NA |
| 2-Hexanone | NA | ND(0.050) [ND(0.050)] | ND(0.050 J) | NA | NA | NA | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | ND(0.050) [ND(0.050)] | ND(0.050 J) | NA | NA | NA | NA |
| Acetone | NA | ND(0.025) [ND(0.025)] | 0.015 J | NA | NA | NA | NA |
| Benzene | NA | ND(0.0010) [ND(0.0010)] | 5.5 JD (IDW,RDW) | NA | NA | NA | NA |
| Bromodichloromethane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Bromoform | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Bromomethane (Methyl Bromide) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Carbon disulfide | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050 J) | NA | NA | NA | NA |
| Carbon tetrachloride | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Chlorobenzene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Chloroethane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Chloroform (Trichloromethane) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Chloromethane (Methyl Chloride) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| cis-1,2-Dichloroethene | NA | 0.0025 [0.0027] | ND(0.0010 J) | NA | NA | NA | NA |
| cis-1,3-Dichloropropene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Cyclohexane | NA | ND(0.0050) [ND(0.0050)] | 0.10 J | NA | NA | NA | NA |
| Dibromochloromethane | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Dichlorodifluoromethane (CFC-12) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Ethylbenzene | NA | ND(0.0010) [ND(0.0010)] | 0.0048 J | NA | NA | NA | NA |
| Isopropylbenzene | NA | ND(0.0050) [ND(0.0050)] | 0.0016 J | NA | NA | NA | NA |
| m&p-Xylene | NA | ND(0.0020) [ND(0.0020)] | 0.026 J | NA | NA | NA | NA |
| Methyl acetate | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050 J) | NA | NA | NA | NA |
| Methyl cyclohexane | NA | ND(0.0010) [ND(0.0010)] | 0.011 J | NA | NA | NA | NA |
| Methyl Tert Butyl Ether | NA | ND(0.0050) [ND(0.0050)] | 0.00050 J | NA | NA | NA | NA |
| Methylene chloride | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050 J) | NA | NA | NA | NA |
| o-Xylene | NA | ND(0.0010) [ND(0.0010)] | 0.0037 J | NA | NA | NA | NA |
| Styrene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Tetrachloroethene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Toluene | NA | ND(0.0010) [ND(0.0010)] | 0.015 J | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| trans-1,3-Dichloropropene | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-40-13 10/13/03 | RFI-40-14R 04/22/03 | RFI-40-15 04/22/03 | RFI-44-04 12/20/02 | RFI-44-04 04/03/03 | RFI-44-05 12/20/02 | RFI-44-05 03/24/03 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | NA | 0.0021 [0.0024] | ND(0.0010 J) | NA | NA | NA | NA |
| Trichlorofluoromethane (CFC-11) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Trifluorotrichloroethane (Freon 113) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | NA | NA | NA | NA |
| Vinyl chloride | NA | ND(0.0010) [0.00059 J] | ND(0.0010 J) | NA | NA | NA | NA |
| Xylenes (total) | NA | ND(0.0020) [ND(0.0020)] | 0.030 J | NA | NA | NA | NA |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | ND(0.0040) | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | ND(0.010) | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | ND(0.020) | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | ND(0.010 J) | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(0.020) | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(0.020) | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(0.020) | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | ND(0.020) | NA | NA | NA | NA | NA | NA |
| Acenaphthene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Acetophenone | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Anthracene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Atrazine | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(0.0010) | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | ND(0.0020) | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | ND(0.0020) | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Biphenyl | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | ND(0.0015) | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-40-13 10/13/03 | RFI-40-14R 04/22/03 | RFI-40-15 04/22/03 | RFI-44-04 12/20/02 | RFI-44-04 04/03/03 | RFI-44-05 12/20/02 | RFI-44-05 03/24/03 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Caprolactam | ND(0.010) | NA | NA | NA | NA | NA | NA |
| Carbazole | ND(0.010) | NA | NA | NA | NA | NA | NA |
| Chrysene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | ND(0.0020) | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | ND(0.0040) | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Fluoranthene | ND(0.0020) | NA | NA | NA | NA | NA | NA |
| Fluorene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | ND(0.0010) | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(0.0020) | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | ND(0.010) | NA | NA | NA | NA | NA | NA |
| Naphthalene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | ND(0.0020) | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | ND(0.020) | NA | NA | NA | NA | NA | NA |
| Phenanthrene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Phenol | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| Pyrene | ND(0.0050) | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | ND(0.00011) [ND(0.00012)] | ND(0.00010) | ND(0.00012 J) | ND(0.00010) [ND(0.00010)] |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | ND(0.00011) [ND(0.00012)] | ND(0.00010) | ND(0.00012 J) | ND(0.00010) [ND(0.00010)] |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | ND(0.00011) [ND(0.00012)] | ND(0.00010) | ND(0.00012 J) | ND(0.00010) [ND(0.00010)] |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | ND(0.00011) [ND(0.00012)] | ND(0.00010) | ND(0.00012 J) | ND(0.00010) [ND(0.00010)] |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | ND(0.00011) [ND(0.00012)] | ND(0.00010) | ND(0.00012 J) | ND(0.00010) [ND(0.00010)] |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | ND(0.00011) [ND(0.00012)] | ND(0.00010) | ND(0.00012 J) | ND(0.00010) [ND(0.00010)] |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | ND(0.00011) [ND(0.00012)] | ND(0.00010) | ND(0.00012 J) | ND(0.00010) [ND(0.00010)] |
| Total PCBs | NA | NA | NA | ND(0.00011) [ND(0.00012)] | ND(0.00010) | ND(0.00012) | ND(0.00010) [ND(0.00010)] |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | ND(0.00011) [ND(0.00011)] | NA | ND(0.00011) | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | ND(0.00011) [ND(0.00011)] | NA | ND(0.00011) | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | ND(0.00011) [ND(0.00011)] | NA | ND(0.00011) | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | ND(0.00011) [ND(0.00011)] | NA | ND(0.00011) | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | ND(0.00011) [ND(0.00011)] | NA | ND(0.00011) | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | ND(0.00011) [ND(0.00011)] | NA | ND(0.00011) | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | ND(0.00011) [ND(0.00011)] | NA | ND(0.00011) | NA |
| Total PCBs (Dissolved) | NA | NA | NA | ND(0.00011) [ND(0.00011)] | NA | ND(0.00011) | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-40-13 10/13/03 | RFI-40-14R 04/22/03 | RFI-40-15 04/22/03 | RFI-44-04 12/20/02 | RFI-44-04 04/03/03 | RFI-44-05 12/20/02 | RFI-44-05 03/24/03 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | NA | 0.00053 J | 0.00042 J | 0.00035 J | NA | 0.042 J (IDW,RDW) | 0.0027 |
| Arsenic | NA | ND(0.0010) | 0.011 | 0.0017 J | NA | 0.033 J | 0.0069 |
| Barium | NA | 0.091 | 0.67 | 0.086 | NA | 0.29 | 0.043 J |
| Beryllium | NA | ND(0.00040) | ND(0.00040) | ND(0.00040) | NA | ND(0.00040) | ND(0.00040) |
| Cadmium | NA | 0.000064 J | 0.000064 J | 0.00036 J | NA | 0.0043 J | 0.00013 J |
| Chromium Total | NA | 0.0017 | 0.00096 | 0.00071 J | NA | 0.38 J (IDW,RDW) | 0.0027 |
| Cobalt | NA | 0.00070 | 0.0028 | 0.0019 J | NA | 0.025 J | 0.0042 |
| Copper | NA | 0.0034 | 0.0020 | 0.037 J | NA | 0.22 J | 0.0099 |
| Cyanide (total) | NA | ND(0.0050) | 0.0031 J | ND(0.0050) [ND(0.0050)] | NA | 0.0067 JDM | 0.019 |
| Lead | NA | 0.00077 | 0.00053 | 0.0036 J | NA | 0.075 J (IDW,RDW) | 0.0016 |
| Manganese | NA | 0.15 | 0.12 | 0.099 | NA | 0.41 | 0.14 |
| Mercury | NA | 0.00012 J | 0.00012 J | ND(0.00020) | NA | ND(0.00020) | ND(0.00020) |
| Nickel | NA | 0.0055 | 0.0086 | 0.014 J | NA | 0.51 J (IDW,RDW) | 0.012 |
| Selenium | NA | ND(0.0016) | ND(0.0016) | ND(0.0016) | NA | 0.034 | 0.0096 |
| Silver | NA | ND(0.00040 J) | ND(0.00040 J) | ND(0.00040 J) | NA | 0.000085 J | ND(0.00040) |
| Thallium | NA | 0.000078 J | 0.00019 J | ND(0.00020) | NA | ND(0.00020) | ND(0.00020) |
| Vanadium | NA | 0.0026 | 0.00099 | 0.00014 J | NA | 0.0050 J (RDW) | 0.0016 |
| Zinc | NA | 0.0084 | 0.021 | 0.045 J | NA | 0.62 J | ND(0.042) |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | 0.029 J (IDW,RDW) | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | 0.036 J | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | 0.18 J | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | R | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | 0.0022 J | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | 0.22 J (IDW,RDW) | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | 0.017 J | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | 0.13 J | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | 0.0054 J | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | 0.018 J (IDW,RDW) | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | 0.43 J | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | R | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | 0.36 J (IDW,RDW) | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | 0.051 J (IDW,RDW) | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | R | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | R | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | 0.0074 J (RDW) | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | 0.19 J | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-44-05 10/05/04 | RFI-44-06R 04/01/03 | RFI-55-01 06/12/02 | RFI-55-01 03/26/03 | RFI-55-02 06/17/02 | RFI-55-02 03/25/03 | RFI-55-02 10/08/04 | RFI-55-09 06/18/02 | RFI-55-09 03/26/03 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0014 | NA | 0.0020 [0.0020] | 0.0028 | 0.0023 |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | 0.00070 J [0.00080 J] | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0020) [ND(0.0020)] | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0058 (IDW,RDW) | NA | 0.0070 (IDW,RDW) [0.0070 (IDW,RDW)] | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | NA | ND(0.030) [ND(0.030)] | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050 J) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.0010) [ND(0.0010)] | ND(0.050) | ND(0.050) |
| Acetone | 0.0060 J | ND(0.025) | ND(0.025) | ND(0.025) | 0.0022 J | NA | ND(0.030) [ND(0.030)] | ND(0.025) | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0020 J) [ND(0.0020 J)] | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050 J) [ND(0.0050 J)] | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0014 | NA | 0.0010 [0.0010] | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.010 J) [ND(0.010 J)] | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.020) [ND(0.020)] | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | 0.00059 J | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-44-05 10/05/04 | RFI-44-06R 04/01/03 | RFI-55-01 06/12/02 | RFI-55-01 03/26/03 | RFI-55-02 06/17/02 | RFI-55-02 03/25/03 | RFI-55-02 10/08/04 | RFI-55-09 06/18/02 | RFI-55-09 03/26/03 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0041 | NA | 0.0080 (IDW,RDW) [0.0080 (IDW,RDW)] | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.030) [ND(0.030)] | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.0013 |
| Xylenes (total) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0010) [ND(0.0010)] | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | ND(0.0040) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | ND(0.010 J) | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | ND(0.0050 J) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | ND(0.0010) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | ND(0.0015) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-44-05 10/05/04 | RFI-44-06R 04/01/03 | RFI-55-01 06/12/02 | RFI-55-01 03/26/03 | RFI-55-02 06/17/02 | RFI-55-02 03/25/03 | RFI-55-02 10/08/04 | RFI-55-09 06/18/02 | RFI-55-09 03/26/03 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | ND(0.0040) | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | ND(0.0010) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | ND(0.010) | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | ND(0.0020) | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | ND(0.020) | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | ND(0.0050) | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-44-05 10/05/04 | RFI-44-06R 04/01/03 | RFI-55-01 06/12/02 | RFI-55-01 03/26/03 | RFI-55-02 06/17/02 | RFI-55-02 03/25/03 | RFI-55-02 10/08/04 | RFI-55-09 06/18/02 | RFI-55-09 03/26/03 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | ND(0.0050) | NA | NA | NA | ND(0.0012) | ND(0.0012) | NA | NA | NA |
| Arsenic | NA | NA | NA | NA | 0.0052 | ND(0.0010) | NA | NA | NA |
| Barium | NA | NA | NA | NA | 0.18 | 0.21 | NA | NA | NA |
| Beryllium | NA | NA | NA | NA | 0.00018 J | ND(0.00040) | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | 0.00045 | 0.00035 | NA | NA | NA |
| Chromium Total | 0.0050 | NA | NA | NA | 0.0066 | 0.0039 | NA | NA | NA |
| Cobalt | NA | NA | NA | NA | 0.0084 | 0.0083 | NA | NA | NA |
| Copper | NA | NA | NA | NA | 0.011 J | 0.0057 | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | 0.034 | 0.054 | NA | NA | NA |
| Lead | ND(0.0030) | NA | NA | NA | 0.0053 (IDW,RDW) | 0.0021 | ND(0.0030) [ND(0.0030)] | NA | NA |
| Manganese | NA | NA | NA | NA | 1.6 (RDW) | 2.1 (RDW) | NA | NA | NA |
| Mercury | NA | NA | NA | NA | 0.00024 | ND(0.00020) | NA | NA | NA |
| Nickel | 0.026 | NA | NA | NA | 0.021 | 0.031 | NA | NA | NA |
| Selenium | ND(0.0050) | NA | NA | NA | ND(0.0014) | ND(0.0016) | NA | NA | NA |
| Silver | NA | NA | NA | NA | ND(0.00040) | 0.00027 J | NA | NA | NA |
| Thallium | NA | NA | NA | NA | 0.0010 | 0.000066 J | NA | NA | NA |
| Vanadium | NA | NA | NA | NA | 0.012 (RDW) | 0.00012 J | NA | NA | NA |
| Zinc | NA | NA | NA | NA | 0.041 J | 0.016 | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | ND(0.0015) | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | ND(0.0014) | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | 0.16 | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | ND(0.00040 J) | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | 0.00038 | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | 0.0086 | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | 0.0054 | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | 0.0046 | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | 0.025 | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | 1.6 J (RDW) | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | 0.013 | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | 0.0037 | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | 0.00062 J | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | 0.00025 | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | 0.0021 | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | 0.014 | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-55-10 06/17/02 | RFI-55-11 09/26/03 | RFI-55-11 10/08/04 | RFI-55-12 09/26/03 | RFI-55-12 10/08/04 | RFI-65-01 06/13/02 | RFI-65-01 04/01/03 | RFI-81-02 06/20/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0021 | 0.0021 | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | 0.00042 J | ND(0.0010) | 0.00048 J | 0.00040 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00040 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | 0.12 D (IDW,RDW) | 0.069 (IDW,RDW) | 0.050 (IDW,RDW) | 0.0070 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.050) | 0.0016 J |
| Acetone | 0.0021 J | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030 J) | ND(0.025) | ND(0.025) | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00030 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | 0.0082 | 0.0050 | 0.0013 | 0.00060 J | 0.037 | 0.019 | 0.0011 |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050 J) | ND(0.010) | ND(0.0050 J) | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.00050 J | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00082 J | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | 0.0090 | 0.0050 J | ND(0.0010) | ND(0.0010) | 0.00071 J | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-55-10 06/17/02 | RFI-55-11 09/26/03 | RFI-55-11 10/08/04 | RFI-55-12 09/26/03 | RFI-55-12 10/08/04 | RFI-65-01 06/13/02 | RFI-65-01 04/01/03 | RFI-81-02 06/20/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | 0.018 (IDW,RDW) | 0.017 (IDW,RDW) | 0.068 (IDW,RDW) | 0.11 (IDW,RDW) | 0.046 (IDW,RDW) | 0.036 (IDW,RDW) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | 0.0030 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0072 (IDW,RDW) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | 0.0051 J | 0.0030 J | ND(0.0052) | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | ND(0.0040) | ND(0.0050) | ND(0.0042) | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | ND(0.010) | ND(0.010) | ND(0.010) | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | ND(0.020) | ND(0.020) | ND(0.021) | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 2-Chlorophenol | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| 2-Methylphenol | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 2-Nitroaniline | NA | ND(0.020) | ND(0.020) | ND(0.021) | NA | NA | NA | NA |
| 2-Nitrophenol | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | ND(0.010 J) | NA | ND(0.010 J) | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | ND(0.020) | ND(0.020) | ND(0.021) | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | ND(0.0050) | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | ND(0.020) | ND(0.020) | ND(0.021) | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | ND(0.020) | ND(0.020) | ND(0.021) | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 4-Chloroaniline | NA | ND(0.020) | ND(0.020 J) | ND(0.021) | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| 4-Nitroaniline | NA | ND(0.020) | ND(0.020) | ND(0.021) | NA | NA | NA | NA |
| 4-Nitrophenol | NA | 0.0012 J | ND(0.020) | ND(0.021) | NA | NA | NA | NA |
| Acenaphthene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Acenaphthylene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Acetophenone | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Anthracene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Atrazine | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Benzaldehyde | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | ND(0.0020) | ND(0.0020) | ND(0.0021) | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | ND(0.0020) | ND(0.0020) | ND(0.0021) | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Biphenyl | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | 0.025 (IDW,RDW) | 0.017 (IDW,RDW) | 0.0038 (RDW) | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
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| Sample ID: / Date Collected: | RFI-55-10 06/17/02 | RFI-55-11 09/26/03 | RFI-55-11 10/08/04 | RFI-55-12 09/26/03 | RFI-55-12 10/08/04 | RFI-65-01 06/13/02 | RFI-65-01 04/01/03 | RFI-81-02 06/20/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Caprolactam | NA | ND(0.010) | ND(0.010) | ND(0.010) | NA | NA | NA | NA |
| Carbazole | NA | ND(0.010) | ND(0.010) | ND(0.010) | NA | NA | NA | NA |
| Chrysene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | ND(0.0020) | ND(0.0020) | ND(0.0021) | NA | NA | NA | NA |
| Dibenzofuran | NA | ND(0.0040) | ND(0.0050) | ND(0.0042) | NA | NA | NA | NA |
| Diethyl phthalate | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Dimethyl phthalate | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Fluoranthene | NA | ND(0.0020) | ND(0.0020) | ND(0.0021) | NA | NA | NA | NA |
| Fluorene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Hexachlorobenzene | NA | ND(0.0010) | ND(0.0050) | ND(0.0010) | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Hexachloroethane | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | ND(0.0020) | ND(0.0020) | ND(0.0021) | NA | NA | NA | NA |
| Isophorone | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Methylphenols, Total | NA | ND(0.010) | ND(0.0050) | ND(0.010) | NA | NA | NA | NA |
| Naphthalene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Nitrobenzene | NA | ND(0.0020) | ND(0.0050) | ND(0.0021) | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Pentachlorophenol | NA | ND(0.020) | ND(0.020) | ND(0.021) | NA | NA | NA | NA |
| Phenanthrene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| Phenol | NA | ND(0.0050) | ND(0.0050) | ND(0.0052) | NA | NA | NA | NA |
| Pyrene | NA | ND(0.0050) | ND(0.0020) | ND(0.0052) | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | ND(0.00010) | NA | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | ND(0.00010) | NA | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | ND(0.00010) | NA | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | ND(0.00010) | NA | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | ND(0.00010) | NA | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | ND(0.00010) | NA | ND(0.00010) | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | ND(0.00010) | NA | ND(0.00010) | NA | NA | NA | NA |
| Total PCBs | NA | ND(0.00010) | NA | ND(0.00010) | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | ND(0.00010) | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

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|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | 0.0024 J | ND(0.0050) | 0.013 J (IDW,RDW) | ND(0.0050) | ND(0.0012) | NA | ND(0.0012) |
| Arsenic | NA | 0.031 | ND(0.0020) | 0.052 J (IDW,RDW) | 0.021 | ND(0.0010) | NA | 0.080 (IDW,RDW) |
| Barium | NA | 0.21 | NA | 0.31 | NA | 0.17 J | NA | 1.0 |
| Beryllium | NA | 0.025 J (IDW,RDW) | 0.0010 | 0.61 J (IDW,RDW) | ND(0.0010) | ND(0.00040 J) | NA | ND(0.00040) |
| Cadmium | NA | 0.0021 J | ND(0.00050) | 0.016 J (IDW,RDW) | ND(0.00050) | 0.00033 | NA | ND(0.00020) |
| Chromium Total | NA | 8.2 (IDW,RDW) | 26 (IDW,RDW) | 0.0092 J | ND(0.0050) | 0.0021 | NA | 0.0015 |
| Cobalt | NA | 0.058 (RDW) | 0.023 | 0.017 J | ND(0.0050) | 0.0029 | NA | 0.0038 |
| Copper | NA | 0.11 J | NA | 0.052 J | NA | 0.0062 | NA | 0.0026 |
| Cyanide (total) | NA | 1.1 D (IDW,RDW) | 0.32 (IDW,RDW) | ND(0.0050) | ND(0.0050) | NA | NA | 0.0024 J |
| Lead | NA | 0.025 (IDW,RDW) | ND(0.0030) | 0.0038 J | ND(0.0030) | 0.00028 J | NA | 0.0014 |
| Manganese | NA | 1.6 J (RDW) | 0.85 | 0.86 J | 0.56 | 1.9 J (RDW) | NA | 0.066 |
| Mercury | NA | ND(0.00020) | NA | ND(0.00020) | NA | ND(0.00020) | NA | 0.00013 J |
| Nickel | NA | 0.13 J (IDW,RDW) | 0.085 | 0.065 J | 0.0070 | 0.0091 | NA | 0.017 |
| Selenium | NA | 0.0066 J | NA | ND(0.0016) | NA | 0.0012 J | NA | ND(0.0014) |
| Silver | NA | 0.0011 J | NA | 0.0096 J | NA | ND(0.00040 J) | NA | 0.00013 J |
| Thallium | NA | 0.0010 | ND(0.0020) | 0.0041 J (IDW,RDW) | ND(0.0020) | 0.00017 J | NA | 0.00013 J |
| Vanadium | NA | ND(0.00080) | NA | ND(0.0080) | NA | 0.00056 J | NA | ND(0.00080) |
| Zinc | NA | 0.17 J | NA | ND(0.11 J) | NA | 0.014 J | NA | ND(0.029 J) |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | 0.0020 J | NA | NA | NA | NA | NA | 0.0017 |
| Arsenic (Dissolved) | NA | 0.0077 J | NA | NA | NA | NA | NA | 0.073 (IDW,RDW) |
| Barium (Dissolved) | NA | 0.14 | NA | NA | NA | NA | NA | 0.87 |
| Beryllium (Dissolved) | NA | 0.030 J (IDW,RDW) | NA | NA | NA | NA | NA | ND(0.00040) |
| Cadmium (Dissolved) | NA | 0.0017 J | NA | NA | NA | NA | NA | ND(0.00020) |
| Chromium Total (Dissolved) | NA | 8.0 (IDW,RDW) | NA | NA | NA | NA | NA | 0.0055 |
| Cobalt (Dissolved) | NA | 0.043 (RDW) | NA | NA | NA | NA | NA | 0.0032 |
| Copper (Dissolved) | NA | 0.025 | NA | NA | NA | NA | NA | 0.0025 |
| Cyanide (dissolved) | NA | 1.1 D (IDW,RDW) | NA | NA | NA | NA | NA | 0.0032 J |
| Lead (Dissolved) | NA | 0.00068 J | NA | NA | NA | NA | NA | 0.00043 |
| Manganese (Dissolved) | NA | 0.68 | NA | NA | NA | NA | NA | 0.058 |
| Mercury (Dissolved) | NA | ND(0.00020) | NA | NA | NA | NA | NA | ND(0.00020) |
| Nickel (Dissolved) | NA | 0.069 | NA | NA | NA | NA | NA | 0.015 |
| Selenium (Dissolved) | NA | 0.0019 J | NA | NA | NA | NA | NA | 0.0018 J |
| Silver (Dissolved) | NA | 0.0015 J | NA | NA | NA | NA | NA | ND(0.00040 J) |
| Thallium (Dissolved) | NA | 0.00070 J | NA | NA | NA | NA | NA | ND(0.00020) |
| Vanadium (Dissolved) | NA | ND(0.00080 J) | NA | NA | NA | NA | NA | ND(0.00080) |
| Zinc (Dissolved) | NA | 0.053 | NA | NA | NA | NA | NA | 0.020 J |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-02 04/02/03 | RFI-81-03 03/27/03 | RFI-81-03 02/28/05 | RFI-81-08 06/17/02 | RFI-81-08 04/01/03 | RFI-81-08 10/07/04 | RFI-81-08 02/24/05 | RFI-81-09 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | NA | ND(0.0010) | 0.0011 | ND(0.0010) | 0.00040 J | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | NA | ND(0.0010) | 0.0011 | 0.0047 | 0.0020 | 0.0020 | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | NA | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0020) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | NA | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.030) | ND(0.025) |
| 2-Hexanone | ND(0.050) | NA | ND(0.050 J) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | NA | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.0010) | ND(0.050) |
| Acetone | ND(0.025) | NA | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.030) | 0.0080 J | ND(0.025) |
| Benzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | NA | R | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | R | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | NA | ND(0.0010) | 0.0014 | 0.050 | 0.025 | 0.024 | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | NA | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.010) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | NA | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.020) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | NA | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.010 J (IDW,RDW) |
| Toluene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | 0.0047 | 0.0030 J | 0.0020 | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-02 04/02/03 | RFI-81-03 03/27/03 | RFI-81-03 02/28/05 | RFI-81-08 06/17/02 | RFI-81-08 04/01/03 | RFI-81-08 10/07/04 | RFI-81-08 02/24/05 | RFI-81-09 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | NA | ND(0.0010) | 0.0077 (IDW,RDW) | 0.0026 | 0.0020 | 0.0020 | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | NA | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.030) | ND(0.0010) |
| Vinyl chloride | 0.010 (IDW,RDW) | NA | ND(0.0010) | 0.00060 J | 0.029 (IDW,RDW) | 0.0080 (IDW,RDW) | 0.012 J (IDW,RDW) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-02 04/02/03 | RFI-81-03 03/27/03 | RFI-81-03 02/28/05 | RFI-81-08 06/17/02 | RFI-81-08 04/01/03 | RFI-81-08 10/07/04 | RFI-81-08 02/24/05 | RFI-81-09 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-02 04/02/03 | RFI-81-03 03/27/03 | RFI-81-03 02/28/05 | RFI-81-08 06/17/02 | RFI-81-08 04/01/03 | RFI-81-08 10/07/04 | RFI-81-08 02/24/05 | RFI-81-09 06/18/02 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | ND(0.0012) | 0.00070 J | NA | ND(0.0012) | ND(0.0012) | NA | NA | NA |
| Arsenic | 0.091 (IDW,RDW) | 0.00091 J | NA | 0.0011 J | 0.0073 | NA | NA | NA |
| Barium | 0.66 | 0.086 | NA | 0.13 | 1.0 | NA | NA | NA |
| Beryllium | ND(0.00040) | ND(0.00040) | NA | ND(0.00040 J) | ND(0.00040) | NA | NA | NA |
| Cadmium | ND(0.00020) | 0.000081 J | NA | ND(0.00020) | ND(0.00020) | NA | NA | NA |
| Chromium Total | 0.0023 | 0.0019 | NA | 0.00054 J | 0.0013 | NA | NA | NA |
| Cobalt | 0.0031 | 0.00033 | NA | 0.00058 | 0.0033 | NA | NA | NA |
| Copper | 0.0043 | 0.0032 | NA | 0.0044 | 0.0033 | NA | NA | NA |
| Cyanide (total) | 0.0045 J | ND(0.0050) | NA | ND(0.0050) | 0.0028 J | NA | NA | NA |
| Lead | 0.010 (IDW,RDW) | 0.00082 | NA | 0.00067 | 0.00039 J | ND(0.0030) | NA | NA |
| Manganese | 0.10 J | 0.045 | NA | 1.4 J (RDW) | 3.3 J (IDW,RDW) | 1.4 (RDW) | NA | NA |
| Mercury | ND(0.00020) | 0.00012 J | NA | ND(0.00020) | ND(0.00020) | NA | NA | NA |
| Nickel | 0.024 | 0.0076 | NA | 0.015 | 0.031 | NA | NA | NA |
| Selenium | 0.0017 J | ND(0.0016) | NA | ND(0.0014) | 0.0019 J | NA | NA | NA |
| Silver | ND(0.00040) | ND(0.00040) | NA | ND(0.00040) | ND(0.00040) | NA | NA | NA |
| Thallium | ND(0.00020) | 0.00048 | NA | ND(0.00020) | ND(0.00020) | NA | NA | NA |
| Vanadium | 0.00075 J | 0.00054 J | NA | ND(0.00080) | ND(0.00080) | NA | NA | NA |
| Zinc | 0.026 | 0.013 | NA | 0.012 | 0.027 | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | ND(0.0012) | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | 0.0010 | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | 0.14 | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | ND(0.00040 J) | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | 0.0020 | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | 0.00060 | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | 0.0050 | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | ND(0.0050) | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | 1.6 (RDW) | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | 0.015 | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | ND(0.0014) | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | ND(0.00080) | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | 0.014 | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-09 04/01/03 | RFI-81-11 06/19/02 | RFI-81-11 04/01/03 | RFI-81-12R 06/20/02 | RFI-81-13 03/27/03 | RFI-81-21 10/06/04 | RFI-81-33 06/20/02 | RFI-81-33 04/03/03 | RFI-81-33 10/06/04 | RFI-81-35 06/18/02 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | 0.0036 | 0.0013 | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010 J) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | NA | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050 J) | ND(0.050) | ND(0.050) | NA | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) |
| Acetone | ND(0.025) | 0.0025 J | ND(0.025) | ND(0.025) | NA | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.030) | 0.0019 J |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.010 J) | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | 0.0028 | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-09 04/01/03 | RFI-81-11 06/19/02 | RFI-81-11 04/01/03 | RFI-81-12R 06/20/02 | RFI-81-13 03/27/03 | RFI-81-21 10/06/04 | RFI-81-33 06/20/02 | RFI-81-33 04/03/03 | RFI-81-33 10/06/04 | RFI-81-35 06/18/02 |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | 0.0012 | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | NA | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) |
| **SVOC** | | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-09 04/01/03 | RFI-81-11 06/19/02 | RFI-81-11 04/01/03 | RFI-81-12R 06/20/02 | RFI-81-13 03/27/03 | RFI-81-21 10/06/04 | RFI-81-33 06/20/02 | RFI-81-33 04/03/03 | RFI-81-33 10/06/04 | RFI-81-35 06/18/02 |
|---|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-09 04/01/03 | RFI-81-11 06/19/02 | RFI-81-11 04/01/03 | RFI-81-12R 06/20/02 | RFI-81-13 03/27/03 | RFI-81-21 10/06/04 | RFI-81-33 06/20/02 | RFI-81-33 04/03/03 | RFI-81-33 10/06/04 | RFI-81-35 06/18/02 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | | |
| Antimony | NA | ND(0.0012) | ND(0.0012) | ND(0.0012) | ND(0.0012) | NA | ND(0.0012) | 0.00086 J | NA | ND(0.0012) |
| Arsenic | NA | 0.011 | 0.0064 | 0.0014 | 0.0010 J | NA | 0.0056 | 0.0049 | NA | 0.0096 |
| Barium | NA | 0.22 | 1.0 | 0.12 | 0.50 | NA | 0.12 | 0.11 | 0.12 | 0.063 |
| Beryllium | NA | ND(0.00040 J) | ND(0.00040) | ND(0.00040) | ND(0.00040) | NA | ND(0.00040) | ND(0.00040) | NA | ND(0.00040 J) |
| Cadmium | NA | ND(0.00020) | ND(0.00020) | 0.000093 J | ND(0.00020) | NA | ND(0.00020) | 0.000072 J | ND(0.00050) | 0.00013 J |
| Chromium Total | NA | 0.00097 | 0.0019 | 0.0015 | 0.00086 | NA | 0.00046 J | 0.00026 J | NA | 0.0037 |
| Cobalt | NA | 0.00026 | 0.0012 | 0.0022 | 0.00018 J | NA | 0.0013 | 0.0014 | NA | 0.00078 |
| Copper | NA | 0.0040 J | 0.0036 | 0.0036 | 0.0014 | NA | 0.0059 | ND(0.0024) | NA | 0.028 J |
| Cyanide (total) | NA | 0.010 | 0.011 | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) |
| Lead | NA | 0.047 (IDW,RDW) | 0.021 (IDW,RDW) | 0.00080 | 0.00045 | NA | 0.00025 J | 0.00015 J | ND(0.0030) | 0.0061 (IDW,RDW) |
| Manganese | NA | 0.45 | 2.0 J (RDW) | 0.27 | 0.18 | NA | 0.88 (RDW) | 0.79 J | NA | 0.21 |
| Mercury | NA | 0.00019 J | ND(0.00020) | 0.00015 J | ND(0.00020) | NA | 0.00012 J | ND(0.00020) | NA | ND(0.00020) |
| Nickel | NA | 0.0031 | 0.025 | 0.0062 | 0.0057 | NA | 0.0044 | 0.0050 | ND(0.0050) | 0.0045 |
| Selenium | NA | ND(0.0014) | ND(0.0016) | 0.00059 J | ND(0.0016) | NA | ND(0.0014) | ND(0.0016) | NA | ND(0.0014) |
| Silver | NA | ND(0.00040) | ND(0.00040) | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00040 J) | 0.00011 J | NA | ND(0.00040) |
| Thallium | NA | ND(0.00020) | ND(0.00020) | 0.00015 J | ND(0.00020) | NA | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) |
| Vanadium | NA | 0.00050 J | ND(0.00080) | 0.0014 | ND(0.00080) | NA | ND(0.00080) | 0.000098 J | NA | 0.012 (RDW) |
| Zinc | NA | 0.015 J | 0.025 | ND(0.021 J) | 0.016 | NA | ND(0.015 J) | 0.033 | ND(0.0050) | 0.020 J |
| **Inorganic-Dissolved** | | | | | | | | | | |
| Antimony (Dissolved) | NA | ND(0.0012) | NA | ND(0.0012) | NA | NA | ND(0.0012) | NA | NA | NA |
| Arsenic (Dissolved) | NA | 0.0097 | NA | ND(0.0010) | NA | NA | 0.0048 | NA | NA | NA |
| Barium (Dissolved) | NA | 0.19 | NA | 0.087 | NA | NA | 0.10 | NA | NA | NA |
| Beryllium (Dissolved) | NA | ND(0.00040 J) | NA | ND(0.00040) | NA | NA | ND(0.00040) | NA | NA | NA |
| Cadmium (Dissolved) | NA | ND(0.00020) | NA | ND(0.00020) | NA | NA | ND(0.00020) | NA | NA | NA |
| Chromium Total (Dissolved) | NA | 0.0030 | NA | 0.0019 | NA | NA | 0.0033 | NA | NA | NA |
| Cobalt (Dissolved) | NA | 0.00022 | NA | 0.0012 | NA | NA | 0.0012 | NA | NA | NA |
| Copper (Dissolved) | NA | 0.0042 | NA | 0.011 | NA | NA | 0.00098 | NA | NA | NA |
| Cyanide (dissolved) | NA | 0.0089 | NA | 0.0013 J | NA | NA | ND(0.0050) | NA | NA | NA |
| Lead (Dissolved) | NA | ND(0.00040) | NA | ND(0.00040) | NA | NA | ND(0.00040) | NA | NA | NA |
| Manganese (Dissolved) | NA | 0.37 J | NA | 0.20 | NA | NA | 0.77 | NA | NA | NA |
| Mercury (Dissolved) | NA | ND(0.00020) | NA | ND(0.00020) | NA | NA | ND(0.00020) | NA | NA | NA |
| Nickel (Dissolved) | NA | 0.0034 | NA | 0.0040 | NA | NA | 0.0032 | NA | NA | NA |
| Selenium (Dissolved) | NA | ND(0.0016) | NA | ND(0.0014) | NA | NA | ND(0.0014) | NA | NA | NA |
| Silver (Dissolved) | NA | ND(0.00040) | NA | ND(0.00040 J) | NA | NA | ND(0.00040 J) | NA | NA | NA |
| Thallium (Dissolved) | NA | ND(0.00020) | NA | ND(0.00020) | NA | NA | ND(0.00020) | NA | NA | NA |
| Vanadium (Dissolved) | NA | 0.00085 | NA | 0.00081 | NA | NA | 0.00093 | NA | NA | NA |
| Zinc (Dissolved) | NA | 0.013 | NA | 0.015 J | NA | NA | 0.0083 J | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-35 04/01/03 | RFI-81-39R 09/17/03 | RFI-81-39R 10/11/04 | RFI-81-50 04/04/05 | RFI-81-51 04/04/05 | RFI-83/84-01 04/04/05 | RFI-83/84-02 12/18/02 |
|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | |
| 1,1,1-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 1,1,2-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 1,1-Dichloroethane | NA | 0.00069 J | 0.00070 J | NA | 0.0040 [0.0040] | NA | NA |
| 1,1-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | NA | 0.00060 J [0.00050 J] | NA | NA |
| 1,2,4-Trichlorobenzene | NA | ND(0.0050) | ND(0.0020) | NA | ND(0.0020) [ND(0.0020)] | NA | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) [ND(0.0010 J)] | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 1,2-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 1,2-Dichloroethane | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 1,2-Dichloropropane | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 1,3-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 1,4-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| 2-Butanone (Methyl Ethyl Ketone) | NA | ND(0.025) | ND(0.030) | NA | ND(0.030) [ND(0.030)] | NA | NA |
| 2-Hexanone | NA | ND(0.050) | ND(0.050) | NA | ND(0.050) [ND(0.050)] | NA | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | ND(0.050) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Acetone | NA | ND(0.025) | ND(0.030) | NA | ND(0.030) [ND(0.030)] | NA | NA |
| Benzene | NA | 0.00043 J | 0.00050 J | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Bromodichloromethane | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Bromoform | NA | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010 J) [ND(0.0010 J)] | NA | NA |
| Bromomethane (Methyl Bromide) | NA | ND(0.0010) | ND(0.0020 J) | NA | R [R] | NA | NA |
| Carbon disulfide | NA | ND(0.0050) | ND(0.0050 J) | NA | ND(0.0050 J) [ND(0.0050 J)] | NA | NA |
| Carbon tetrachloride | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Chlorobenzene | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Chloroethane | NA | ND(0.0010) | ND(0.0010 J) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Chloroform (Trichloromethane) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Chloromethane (Methyl Chloride) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| cis-1,2-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | NA | 0.16 (IDW,RDW) [0.16 (IDW,RDW)] | NA | NA |
| cis-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Cyclohexane | NA | ND(0.0050) | ND(0.0010) | NA | ND(0.0010 J) [ND(0.0010 J)] | NA | NA |
| Dibromochloromethane | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Dichlorodifluoromethane (CFC-12) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010 J) [ND(0.0010 J)] | NA | NA |
| Ethylbenzene | NA | 0.0012 | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Isopropylbenzene | NA | 0.023 | 0.022 J | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| m&p-Xylene | NA | 0.0017 J | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Methyl acetate | NA | ND(0.0050) | ND(0.010) | NA | ND(0.010) [ND(0.010)] | NA | NA |
| Methyl cyclohexane | NA | 0.00086 J | 0.0010 J | NA | ND(0.020 J) [ND(0.020 J)] | NA | NA |
| Methyl Tert Butyl Ether | NA | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) [ND(0.0050)] | NA | NA |
| Methylene chloride | NA | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) [ND(0.0050)] | NA | NA |
| o-Xylene | NA | 0.00050 J | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Styrene | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Tetrachloroethene | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Toluene | NA | ND(0.0010) | 0.00020 J | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| trans-1,2-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | NA | 0.0070 [0.0060] | NA | NA |
| trans-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-35 04/01/03 | RFI-81-39R 09/17/03 | RFI-81-39R 10/11/04 | RFI-81-50 04/04/05 | RFI-81-51 04/04/05 | RFI-83/84-01 04/04/05 | RFI-83/84-02 12/18/02 |
|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | |
| Trichloroethene | NA | ND(0.0010) | ND(0.0010) | NA | 0.00080 J [0.00080 J] | NA | NA |
| Trichlorofluoromethane (CFC-11) | NA | ND(0.0010) | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| Trifluorotrichloroethane (Freon 113) | NA | ND(0.0010) | ND(0.030) | NA | ND(0.030) [ND(0.030)] | NA | NA |
| Vinyl chloride | NA | ND(0.0010) | ND(0.0010) | NA | 0.064 (IDW,RDW) [0.065 (IDW,RDW)] | NA | NA |
| Xylenes (total) | NA | 0.0022 J | ND(0.0010) | NA | ND(0.0010) [ND(0.0010)] | NA | NA |
| **SVOC** | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND(0.010) [ND(0.010)] | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND(0.020 J) [ND(0.020 J)] | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) [ND(0.020)] | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND(0.020) [ND(0.020)] | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) [ND(0.020)] | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | ND(0.020 J) [ND(0.020 J)] | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND(0.020) [ND(0.020)] | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND(0.020) [ND(0.020)] | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND(0.020) [ND(0.020)] | NA |
| Acenaphthene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Acetophenone | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Anthracene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Atrazine | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Biphenyl | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-35 04/01/03 | RFI-81-39R 09/17/03 | RFI-81-39R 10/11/04 | RFI-81-50 04/04/05 | RFI-81-51 04/04/05 | RFI-83/84-01 04/04/05 | RFI-83/84-02 12/18/02 |
|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Caprolactam | NA | NA | NA | NA | NA | ND(0.010) [ND(0.010)] | NA |
| Carbazole | NA | NA | NA | NA | NA | ND(0.010) [ND(0.010)] | NA |
| Chrysene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Fluoranthene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Fluorene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Isophorone | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Naphthalene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | ND(0.0010) [ND(0.0010)] | NA |
| Phenanthrene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Phenol | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| Pyrene | NA | NA | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA |
| **PCB** | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-81-35 04/01/03 | RFI-81-39R 09/17/03 | RFI-81-39R 10/11/04 | RFI-81-50 04/04/05 | RFI-81-51 04/04/05 | RFI-83/84-01 04/04/05 | RFI-83/84-02 12/18/02 |
|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | |
| Antimony | ND(0.0012) | NA | NA | NA | NA | NA | ND(0.0012) |
| Arsenic | 0.0033 | NA | NA | NA | NA | NA | 0.0081 |
| Barium | 0.10 | NA | NA | NA | NA | NA | 0.17 J |
| Beryllium | ND(0.00040) | NA | NA | NA | NA | NA | ND(0.00040 J) |
| Cadmium | ND(0.00020) | NA | NA | NA | NA | NA | ND(0.00020 J) |
| Chromium Total | 0.0014 | NA | NA | NA | NA | NA | 0.0018 |
| Cobalt | 0.00031 | NA | NA | NA | NA | NA | 0.00022 J |
| Copper | 0.0021 | NA | NA | NA | NA | NA | 0.0031 J |
| Cyanide (total) | 0.0038 J | NA | NA | NA | NA | NA | 0.0030 J |
| Lead | 0.00050 | NA | NA | ND(0.0030) [ND(0.0030)] | NA | NA | 0.00065 J |
| Manganese | 0.24 J | NA | NA | NA | NA | NA | 1.0 (RDW) |
| Mercury | ND(0.00020) | NA | NA | NA | NA | NA | ND(0.00020) |
| Nickel | 0.0060 | NA | NA | NA | NA | NA | 0.0040 J |
| Selenium | ND(0.0016) | NA | NA | NA | NA | NA | ND(0.0016) |
| Silver | ND(0.00040) | NA | NA | NA | NA | NA | ND(0.00040 J) |
| Thallium | ND(0.00020) | NA | NA | NA | NA | NA | 0.00012 J |
| Vanadium | 0.0028 | NA | NA | NA | NA | NA | 0.00024 J |
| Zinc | 0.0085 | NA | NA | NA | NA | NA | 0.015 J |
| **Inorganic-Dissolved** | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-11 06/19/02 | RFI-83/84-11 04/01/03 | RFI-83/84-11 10/07/04 |
|---|---|---|---|
| **VOC** | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,2,4-Trichlorobenzene | 0.00075 J | ND(0.0050) | ND(0.010) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010 J) | ND(0.0050) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.10) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.30) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050 J) | ND(0.050) | ND(0.0050) |
| Acetone | 0.023 J | ND(0.025) | 0.030 J |
| Benzene | 0.16 D (IDW,RDW) | 0.023 (IDW,RDW) | 0.067 (IDW,RDW) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0050 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.010 J) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.030 J) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0050 J) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Chloromethane (Methyl Chloride) | 0.016 | ND(0.0010) | ND(0.0050) |
| cis-1,2-Dichloroethene | 0.00090 J | 0.0010 | ND(0.0050) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Cyclohexane | 0.057 | 0.069 | 0.064 J |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0050 J) |
| Ethylbenzene | 0.49 D | 0.084 | 0.57 |
| Isopropylbenzene | 0.018 J | 0.013 | 0.013 |
| m&p-Xylene | 1.3 D | 0.13 | 0.75 J |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.050) |
| Methyl cyclohexane | 0.0090 | 0.022 | 0.0030 J |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.030) |
| Methylene chloride | ND(0.0050 J) | ND(0.0050) | 0.010 J (IDW,RDW) |
| o-Xylene | 0.62 D | 0.0054 | 0.24 |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Toluene | 2.3 D (IDW,RDW) | 0.012 | 0.64 |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0050) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-11 06/19/02 | RFI-83/84-11 04/01/03 | RFI-83/84-11 10/07/04 |
|---|---|---|---|
| **VOC (Cont'd.)** | | | |
| Trichloroethene | 0.0019 | ND(0.0010) | ND(0.0050) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.20) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0050) |
| Xylenes (total) | 1.9 | 0.14 | 0.99 J |
| **SVOC** | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA |
| Acenaphthene | NA | NA | NA |
| Acenaphthylene | NA | NA | NA |
| Acetophenone | NA | NA | NA |
| Anthracene | NA | NA | NA |
| Atrazine | NA | NA | NA |
| Benzaldehyde | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA |
| Biphenyl | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-11 06/19/02 | RFI-83/84-11 04/01/03 | RFI-83/84-11 10/07/04 |
|---|---|---|---|
| **SVOC (Cont'd.)** | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA |
| Caprolactam | NA | NA | NA |
| Carbazole | NA | NA | NA |
| Chrysene | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA |
| Dibenzofuran | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA |
| Fluoranthene | NA | NA | NA |
| Fluorene | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA |
| Hexachloroethane | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA |
| Isophorone | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA |
| Naphthalene | NA | NA | NA |
| Nitrobenzene | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA |
| Phenanthrene | NA | NA | NA |
| Phenol | NA | NA | NA |
| Pyrene | NA | NA | NA |
| **PCB** | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA |
| Total PCBs | NA | NA | NA |
| **PCB-Dissolved** | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-11 06/19/02 | RFI-83/84-11 04/01/03 | RFI-83/84-11 10/07/04 |
|---|---|---|---|
| **Inorganic** | | | |
| Antimony | ND(0.0012) | NA | NA |
| Arsenic | 0.0047 | NA | NA |
| Barium | 0.059 | NA | NA |
| Beryllium | ND(0.00040 J) | NA | NA |
| Cadmium | 0.00015 J | NA | NA |
| Chromium Total | 0.0023 | NA | NA |
| Cobalt | 0.0022 | NA | NA |
| Copper | 0.019 J | NA | NA |
| Cyanide (total) | 0.0048 J | NA | NA |
| Lead | 0.0016 | NA | NA |
| Manganese | 0.31 | NA | NA |
| Mercury | 0.00026 | NA | NA |
| Nickel | 0.0067 | NA | NA |
| Selenium | ND(0.0014) | NA | NA |
| Silver | ND(0.00040) | NA | NA |
| Thallium | 0.00010 J | NA | NA |
| Vanadium | 0.0029 | NA | NA |
| Zinc | 0.021 J | NA | NA |
| **Inorganic-Dissolved** | | | |
| Antimony (Dissolved) | ND(0.0012) | NA | NA |
| Arsenic (Dissolved) | 0.0034 | NA | NA |
| Barium (Dissolved) | 0.045 | NA | NA |
| Beryllium (Dissolved) | ND(0.00040 J) | NA | NA |
| Cadmium (Dissolved) | ND(0.00020) | NA | NA |
| Chromium Total (Dissolved) | 0.0031 | NA | NA |
| Cobalt (Dissolved) | 0.0012 | NA | NA |
| Copper (Dissolved) | 0.0013 | NA | NA |
| Cyanide (dissolved) | 0.0053 | NA | NA |
| Lead (Dissolved) | ND(0.00040) | NA | NA |
| Manganese (Dissolved) | 0.25 J | NA | NA |
| Mercury (Dissolved) | ND(0.00020) | NA | NA |
| Nickel (Dissolved) | 0.0039 | NA | NA |
| Selenium (Dissolved) | ND(0.0015) | NA | NA |
| Silver (Dissolved) | ND(0.00040) | NA | NA |
| Thallium (Dissolved) | ND(0.00020) | NA | NA |
| Vanadium (Dissolved) | 0.0011 | NA | NA |
| Zinc (Dissolved) | 0.0071 | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-20 06/20/02 | RFI-83/84-20 04/02/03 | RFI-83/84-27 06/18/02 | RFI-83/84-27 04/02/03 | RFI-83/84-27 10/07/04 | RFI-83/84-29 06/18/02 | RFI-83/84-29 04/01/03 | RFI-83/84-51 09/19/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,1,2-Trichloroethane | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,1-Dichloroethane | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | 0.00052 J |
| 1,1-Dichloroethene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,2,4-Trichlorobenzene | NA | NA | NA | ND(0.0050) | ND(0.0020) | NA | NA | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,2-Dichlorobenzene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,2-Dichloroethane | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,2-Dichloropropane | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,3-Dichlorobenzene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 1,4-Dichlorobenzene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | NA | NA | NA | ND(0.025) | ND(0.030) | NA | NA | ND(0.025) |
| 2-Hexanone | NA | NA | NA | ND(0.050) | ND(0.050 J) | NA | NA | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | NA | NA | ND(0.050) | ND(0.0010) | NA | NA | ND(0.050) |
| Acetone | NA | NA | NA | ND(0.025) | 0.0090 J | NA | NA | ND(0.025) |
| Benzene | NA | NA | NA | ND(0.0010) | 0.00040 J | NA | NA | ND(0.0010) |
| Bromodichloromethane | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Bromoform | NA | NA | NA | ND(0.0010) | ND(0.0010 J) | NA | NA | ND(0.0010) |
| Bromomethane (Methyl Bromide) | NA | NA | NA | ND(0.0010) | ND(0.0020 J) | NA | NA | ND(0.0010) |
| Carbon disulfide | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) |
| Carbon tetrachloride | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Chlorobenzene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Chloroethane | NA | NA | NA | ND(0.0010) | ND(0.0010 J) | NA | NA | ND(0.0010) |
| Chloroform (Trichloromethane) | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Chloromethane (Methyl Chloride) | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| cis-1,2-Dichloroethene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| cis-1,3-Dichloropropene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Cyclohexane | NA | NA | NA | ND(0.0050) | ND(0.0010) | NA | NA | ND(0.0050) |
| Dibromochloromethane | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Ethylbenzene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Isopropylbenzene | NA | NA | NA | ND(0.0050) | 0.00020 J | NA | NA | ND(0.0050) |
| m&p-Xylene | NA | NA | NA | ND(0.0020) | 0.00060 J | NA | NA | ND(0.0020) |
| Methyl acetate | NA | NA | NA | ND(0.0050) | ND(0.010) | NA | NA | ND(0.0050) |
| Methyl cyclohexane | NA | NA | NA | ND(0.0010) | 0.00030 J | NA | NA | ND(0.0010) |
| Methyl Tert Butyl Ether | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) |
| Methylene chloride | NA | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) |
| o-Xylene | NA | NA | NA | ND(0.0010) | 0.00060 J | NA | NA | ND(0.0010) |
| Styrene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Tetrachloroethene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Toluene | NA | NA | NA | ND(0.0010) | 0.00040 J | NA | NA | ND(0.0010) |
| trans-1,2-Dichloroethene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| trans-1,3-Dichloropropene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-20 06/20/02 | RFI-83/84-20 04/02/03 | RFI-83/84-27 06/18/02 | RFI-83/84-27 04/02/03 | RFI-83/84-27 10/07/04 | RFI-83/84-29 06/18/02 | RFI-83/84-29 04/01/03 | RFI-83/84-51 09/19/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | NA | NA | NA | ND(0.0010) | ND(0.030) | NA | NA | ND(0.0010) |
| Vinyl chloride | NA | NA | NA | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) |
| Xylenes (total) | NA | NA | NA | ND(0.0020) | 0.0012 J | NA | NA | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-20 06/20/02 | RFI-83/84-20 04/02/03 | RFI-83/84-27 06/18/02 | RFI-83/84-27 04/02/03 | RFI-83/84-27 10/07/04 | RFI-83/84-29 06/18/02 | RFI-83/84-29 04/01/03 | RFI-83/84-51 09/19/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-20 06/20/02 | RFI-83/84-20 04/02/03 | RFI-83/84-27 06/18/02 | RFI-83/84-27 04/02/03 | RFI-83/84-27 10/07/04 | RFI-83/84-29 06/18/02 | RFI-83/84-29 04/01/03 | RFI-83/84-51 09/19/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | ND(0.0012) | ND(0.0012) | ND(0.0012) | NA | NA | ND(0.0012) | ND(0.0012) | 0.0022 J |
| Arsenic | 0.014 | 0.023 | 0.0031 | NA | NA | 0.0055 | 0.0061 | 0.11 J (IDW,RDW) |
| Barium | 0.12 | 0.13 | 0.31 | NA | NA | 0.15 | 0.21 | 0.40 |
| Beryllium | ND(0.00040) | ND(0.00040) | ND(0.00040 J) | NA | ND(0.0010) | ND(0.00040 J) | ND(0.00040) | 0.14 J (IDW,RDW) |
| Cadmium | 0.00014 J | ND(0.00020) | ND(0.00020) | NA | NA | ND(0.00020) | ND(0.00020) | 0.0027 J |
| Chromium Total | 0.00061 | 0.00029 J | 0.0011 | NA | NA | 0.00071 | 0.00095 | 0.016 |
| Cobalt | 0.0060 | 0.0024 | 0.0037 | NA | NA | 0.00095 | 0.00099 | 0.011 J |
| Copper | 0.0063 | 0.0046 | 0.0025 J | NA | NA | 0.0036 J | 0.0033 | 0.031 J |
| Cyanide (total) | ND(0.0050) | ND(0.0050) | 0.0074 | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Lead | 0.017 (IDW,RDW) | 0.0016 | 0.00092 | NA | NA | 0.00030 J | 0.00013 J | 0.0081 (IDW,RDW) |
| Manganese | 0.61 | 0.60 J | 0.17 | NA | NA | 1.2 (RDW) | 0.57 J | 0.36 J |
| Mercury | ND(0.00020) | ND(0.00020) | 0.00021 | NA | NA | 0.00018 J | ND(0.00020) | ND(0.00020) |
| Nickel | 0.018 | 0.021 | 0.0059 | NA | NA | 0.0068 | 0.012 | 0.042 J |
| Selenium | ND(0.0014) | ND(0.0016) | ND(0.0014) | NA | NA | ND(0.0014) | ND(0.0016) | 0.0030 J |
| Silver | ND(0.00040 J) | ND(0.00040) | ND(0.00040) | NA | NA | ND(0.00040) | ND(0.00040) | 0.0019 J |
| Thallium | 0.000073 J | ND(0.00020) | ND(0.00020) | NA | NA | ND(0.00020) | ND(0.00020) | 0.0010 J |
| Vanadium | ND(0.00080) | 0.000090 J | 0.00054 J | NA | NA | ND(0.00080) | ND(0.00080) | 0.010 J (RDW) |
| Zinc | ND(0.014 J) | 0.0093 | 0.012 J | NA | NA | 0.014 J | 0.017 | 0.071 J |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0014 J |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.097 J (IDW,RDW) |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.30 |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.027 J (IDW,RDW) |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0016 J |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0025 J |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0050 J |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.011 J |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.0050) |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.00052 J |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.18 J |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00020) |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.024 J |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0019 |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.0014 J |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.00060 J |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00080 J) |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | 0.040 J |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-51 10/14/03 | RFI-84-03D 07/29/05 | RFI-84-03I 07/29/05 | RFI-84-03S 07/29/05 | RFI-84-04D 07/28/05 | RFI-84-04I 07/28/05 | RFI-84-05 12/17/02 | RFI-84-05 03/24/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | 0.011 [0.011] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | NA | ND(0.0010) | ND(0.0010) | 0.0050 [0.0050] | ND(0.0010) | ND(0.0010) | 0.018 | 0.013 |
| 1,1-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | ND(0.0020) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | NA | ND(0.030) | ND(0.030) | ND(0.030) [ND(0.030)] | ND(0.030) | ND(0.030) | ND(0.025) | ND(0.025) |
| 2-Hexanone | NA | ND(0.050) | ND(0.050) | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.050) | ND(0.050) |
| Acetone | NA | 0.010 J | ND(0.030) | ND(0.030) [ND(0.030)] | ND(0.030) | ND(0.030) | ND(0.025) | ND(0.025) |
| Benzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | 0.00050 J | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | NA | ND(0.0020) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| Carbon tetrachloride | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Chlorobenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | NA | 0.0020 | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | NA | 0.00050 J | 0.0020 | 0.0010 [0.0020] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | NA | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) [ND(0.0010 J)] | ND(0.0010 J) | ND(0.0010 J) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | NA | ND(0.010) | ND(0.010) | ND(0.010) [ND(0.010)] | ND(0.010) | ND(0.010) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | NA | ND(0.020) | ND(0.020) | ND(0.020) [ND(0.020)] | ND(0.020) | ND(0.020) | ND(0.0010) | ND(0.0010 J) |
| Methyl Tert Butyl Ether | NA | 0.00050 J | 0.0010 J | ND(0.0050 J) [ND(0.0050 J)] | 0.0020 J | ND(0.0050 J) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | NA | ND(0.0010) | ND(0.0010) | 0.00050 J [0.00050 J] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | NA | 0.00060 J | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-51 10/14/03 | RFI-84-03D 07/29/05 | RFI-84-03I 07/29/05 | RFI-84-03S 07/29/05 | RFI-84-04D 07/28/05 | RFI-84-04I 07/28/05 | RFI-84-05 12/17/02 | RFI-84-05 03/24/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | NA | ND(0.0010) | ND(0.0010) | 0.0010 J [0.0010 J] | ND(0.0010) | ND(0.0010) | 0.0039 | 0.0024 |
| Trichlorofluoromethane (CFC-11) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | NA | ND(0.030) | ND(0.030) | ND(0.030) [ND(0.030)] | ND(0.030) | ND(0.030) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | NA | 0.0020 | 0.0050 (IDW,RDW) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | ND(0.0040) [ND(0.0040)] | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | ND(0.010) [ND(0.010)] | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | ND(0.010 J) [ND(0.010 J)] | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | ND(0.0050 J) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | ND(0.0010) [ND(0.0010)] | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | ND(0.0015) [ND(0.0015)] | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-51 10/14/03 | RFI-84-03D 07/29/05 | RFI-84-03I 07/29/05 | RFI-84-03S 07/29/05 | RFI-84-04D 07/28/05 | RFI-84-04I 07/28/05 | RFI-84-05 12/17/02 | RFI-84-05 03/24/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | ND(0.010) [ND(0.010)] | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | ND(0.010) [ND(0.010)] | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | ND(0.0040) [ND(0.0040)] | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | ND(0.0010) [ND(0.0010)] | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | ND(0.0050 J) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | ND(0.010) [ND(0.010)] | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | 0.0013 J [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | ND(0.020) [ND(0.020)] | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Phenol | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-83/84-51 10/14/03 | RFI-84-03D 07/29/05 | RFI-84-03I 07/29/05 | RFI-84-03S 07/29/05 | RFI-84-04D 07/28/05 | RFI-84-04I 07/28/05 | RFI-84-05 12/17/02 | RFI-84-05 03/24/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | NA | NA | NA | NA | ND(0.0012) | NA |
| Arsenic | NA | NA | NA | NA | NA | NA | 0.0017 | NA |
| Barium | NA | NA | NA | NA | NA | NA | 0.11 J | NA |
| Beryllium | NA | NA | NA | NA | NA | NA | 0.00046 J | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | 0.00037 J | NA |
| Chromium Total | NA | NA | NA | NA | NA | NA | 0.0027 | NA |
| Cobalt | NA | NA | NA | NA | NA | NA | 0.0018 J | NA |
| Copper | NA | NA | NA | NA | NA | NA | 0.0046 J | NA |
| Cyanide (total) | NA | NA | NA | NA | NA | NA | ND(0.0050) | NA |
| Lead | NA | NA | NA | NA | NA | NA | 0.0014 J | NA |
| Manganese | NA | NA | NA | NA | NA | NA | 0.41 J | NA |
| Mercury | NA | NA | NA | NA | NA | NA | ND(0.00020) | NA |
| Nickel | NA | NA | NA | NA | NA | NA | 0.015 J | NA |
| Selenium | NA | NA | NA | NA | NA | NA | ND(0.0016) | NA |
| Silver | NA | NA | NA | NA | NA | NA | ND(0.00040 J) | NA |
| Thallium | NA | NA | NA | NA | NA | NA | 0.000065 J | NA |
| Vanadium | NA | NA | NA | NA | NA | NA | 0.0016 | NA |
| Zinc | NA | NA | NA | NA | NA | NA | 0.021 J | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-84-05 02/25/05 | RFI-84-05 06/08/05 | RFI-84-06R 04/02/03 | RFI-84-06R 04/03/03 | RFI-84-06R 02/25/05 | RFI-84-06R 07/22/05 | RFI-84-06RD 07/21/05 | RFI-84-07d 07/28/05 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,1-Dichloroethane | 0.0060 | 0.0050 | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0020) | ND(0.0050) | NA | NA | ND(0.0020) | ND(0.0020) | ND(0.020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.030) | ND(0.025) | NA | NA | ND(0.030) | ND(0.030) | ND(0.30) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | NA | NA | ND(0.050) | ND(0.050) | ND(0.50) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.0010) | ND(0.050) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010 J) |
| Acetone | ND(0.030) | ND(0.030) | ND(0.025) | NA | NA | ND(0.030) | ND(0.030) | 0.20 J |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | 1.4 (IDW,RDW) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Bromomethane (Methyl Bromide) | R | ND(0.0020) | ND(0.0010) | NA | NA | ND(0.0020) | ND(0.0020) | ND(0.020) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Chloromethane (Methyl Chloride) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| cis-1,2-Dichloroethene | 0.00030 J | 0.00030 J | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Cyclohexane | ND(0.0010 J) | ND(0.0010) | ND(0.0050) | NA | NA | ND(0.0010 J) | ND(0.0010 J) | 0.070 J |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Isopropylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0050) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| m&p-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0020) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Methyl acetate | ND(0.010) | ND(0.010) | ND(0.0050) | NA | NA | ND(0.010) | ND(0.010) | ND(0.10 J) |
| Methyl cyclohexane | ND(0.020) | ND(0.020) | ND(0.0010) | NA | NA | ND(0.020) | ND(0.020) | 0.0060 J |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | 0.00030 J | ND(0.0050) | ND(0.050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Toluene | ND(0.0010) | 0.00020 J | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | 0.010 |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-84-05 02/25/05 | RFI-84-05 06/08/05 | RFI-84-06R 04/02/03 | RFI-84-06R 04/03/03 | RFI-84-06R 02/25/05 | RFI-84-06R 07/22/05 | RFI-84-06RD 07/21/05 | RFI-84-07d 07/28/05 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | 0.0090 (IDW,RDW) | 0.013 (IDW,RDW) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.030) | ND(0.0010) | NA | NA | ND(0.030) | ND(0.030) | ND(0.30) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| Xylenes (total) | ND(0.0010) | ND(0.0010) | ND(0.0020) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.010) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | ND(0.0040) [ND(0.0040)] | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | ND(0.010) [ND(0.010)] | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | ND(0.020) [ND(0.020)] | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | ND(0.020) [ND(0.020)] | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | ND(0.010 J) [ND(0.010 J)] | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | ND(0.020) [ND(0.020)] | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | ND(0.020) [ND(0.020)] | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | ND(0.020) [ND(0.020)] | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | ND(0.020 J) [ND(0.020 J)] | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | ND(0.020) [ND(0.020)] | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | ND(0.020) [ND(0.020)] | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | ND(0.0050 J) [ND(0.0050 J)] | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | ND(0.0010) [ND(0.0010)] | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | ND(0.0015) [ND(0.0015)] | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-84-05 02/25/05 | RFI-84-05 06/08/05 | RFI-84-06R 04/02/03 | RFI-84-06R 04/03/03 | RFI-84-06R 02/25/05 | RFI-84-06R 07/22/05 | RFI-84-06RD 07/21/05 | RFI-84-07d 07/28/05 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | ND(0.010) [ND(0.010)] | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | ND(0.010) [ND(0.010)] | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | ND(0.0040) [ND(0.0040)] | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | ND(0.0010) [ND(0.0010)] | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | ND(0.010) [ND(0.010)] | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | ND(0.020 J) [ND(0.020)] | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| Phenol | NA | NA | NA | ND(0.0050) [0.016] | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | ND(0.00011) | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-84-05 02/25/05 | RFI-84-05 06/08/05 | RFI-84-06R 04/02/03 | RFI-84-06R 04/03/03 | RFI-84-06R 02/25/05 | RFI-84-06R 07/22/05 | RFI-84-06RD 07/21/05 | RFI-84-07d 07/28/05 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | NA | 0.00059 J | NA | NA | NA | NA |
| Arsenic | NA | NA | NA | 0.0035 J | NA | NA | NA | NA |
| Barium | NA | NA | NA | 0.070 | NA | NA | NA | NA |
| Beryllium | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | 0.000049 J | NA | NA | NA | NA |
| Chromium Total | NA | NA | NA | 0.0028 | NA | NA | NA | NA |
| Cobalt | NA | NA | NA | 0.0018 | NA | NA | NA | NA |
| Copper | NA | NA | NA | 0.013 | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | 0.061(GSI) | 0.062(GSI) | NA | NA | NA |
| Lead | NA | NA | NA | 0.00094 | NA | NA | NA | NA |
| Manganese | NA | NA | NA | 0.051 J | NA | NA | NA | NA |
| Mercury | NA | NA | NA | ND(0.00020) | NA | NA | NA | NA |
| Nickel | NA | NA | NA | 0.0092 | NA | NA | NA | NA |
| Selenium | NA | NA | NA | 0.0029 J | NA | NA | NA | NA |
| Silver | NA | NA | NA | ND(0.00040) | NA | NA | NA | NA |
| Thallium | NA | NA | NA | 0.000048 J | NA | NA | NA | NA |
| Vanadium | NA | NA | NA | 0.0040 | NA | NA | NA | NA |
| Zinc | NA | NA | NA | 0.020 | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | 0.00094 J | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | 0.0030 | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | 0.058 | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | ND(0.00040) | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | 0.000090 J | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | 0.0066 | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | 0.0010 | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | 0.013 | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | 0.071(GSI) | NA | 0.058(GSI) | NA | NA | NA |
| Lead (Dissolved) | NA | NA | 0.00017 J | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | 0.050 | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | 0.0078 | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | 0.0040 | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | 0.00024 J(GSI) | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | 0.00017 J | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | 0.0016 | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | 0.0095 | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-84-07S 07/01/05 | RFI-84-08D 07/06/05 | RFI-84-08S 07/22/05 | RFI-84-09D 07/22/05 | RFI-84-09S 07/22/05 | RFI-84-10d 07/21/05 | RFI-84-10S 07/22/05 | RFI-84-11s 07/28/05 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.0010 J | ND(0.0010) [0.00050 J] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | 0.00080 J [0.00090 J] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | ND(0.030) [ND(0.030)] | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) [ND(0.050)] | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Acetone | ND(0.030) | ND(0.030) [ND(0.030)] | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030 J) |
| Benzene | 0.13 (IDW,RDW) | 0.0020 [0.0020] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0020) | ND(0.0020) [ND(0.0020)] | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.0020 | 0.078 (IDW,RDW) [0.084 (IDW,RDW)] | ND(0.0010) | 0.0040 | ND(0.0010) | 0.019 | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | 0.0090 | ND(0.0010) [ND(0.0010)] | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) | ND(0.0010 J) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010 J) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| m&p-Xylene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl acetate | ND(0.010) | ND(0.010) [ND(0.010)] | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010) | ND(0.010 J) |
| Methyl cyclohexane | ND(0.020) | ND(0.020) [ND(0.020)] | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.020) | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | 0.0020 J | ND(0.0050) | 0.00060 J | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) [ND(0.0050)] | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00050 J |
| Toluene | 0.00050 J | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | 0.0060 [0.0070] | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0020 | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-84-07S 07/01/05 | RFI-84-08D 07/06/05 | RFI-84-08S 07/22/05 | RFI-84-09D 07/22/05 | RFI-84-09S 07/22/05 | RFI-84-10d 07/21/05 | RFI-84-10S 07/22/05 | RFI-84-11s 07/28/05 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00080 J |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | ND(0.030) [ND(0.030)] | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) | ND(0.030) |
| Vinyl chloride | ND(0.0010) | 0.11 (IDW,RDW) [0.12 (IDW,RDW)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0040 (IDW,RDW) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0010) | ND(0.0010) [ND(0.0010)] | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-84-07S 07/01/05 | RFI-84-08D 07/06/05 | RFI-84-08S 07/22/05 | RFI-84-09D 07/22/05 | RFI-84-09S 07/22/05 | RFI-84-10d 07/21/05 | RFI-84-10S 07/22/05 | RFI-84-11s 07/28/05 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-84-07S 07/01/05 | RFI-84-08D 07/06/05 | RFI-84-08S 07/22/05 | RFI-84-09D 07/22/05 | RFI-84-09S 07/22/05 | RFI-84-10d 07/21/05 | RFI-84-10S 07/22/05 | RFI-84-11s 07/28/05 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-85-02R 06/14/02 | RFI-85-03 06/13/02 | RFI-85-04R 06/12/02 | RFI-85-06 06/12/02 | RFI-85-06 04/02/03 | RFI-85-07 06/12/02 | RFI-85-07 04/02/03 | RFI-85-08 12/18/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | NA | NA | 0.0027 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | NA | NA | 0.00062 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | NA | NA | ND(0.025) | ND(0.025) | 0.0030 J | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) | NA | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | NA | NA | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.025) | NA | NA | ND(0.025) | ND(0.025) | 0.0046 J | ND(0.025) | 0.0015 J |
| Benzene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | 0.0012 | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | 0.00095 J | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| Carbon disulfide | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | 0.0035 | 0.0014 | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| cis-1,2-Dichloroethene | ND(0.0010) | NA | NA | 0.0049 | 0.0017 | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | 0.0059 | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | NA | NA | ND(0.0020) | ND(0.0020) | 0.074 | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | 0.0065 | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050 J) | NA | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | 0.0039 | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | NA | NA | 0.0014 | 0.0013 | 0.0052 (IDW,RDW) | 0.014 (IDW,RDW) | ND(0.0010) |
| Toluene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-85-02R 06/14/02 | RFI-85-03 06/13/02 | RFI-85-04R 06/12/02 | RFI-85-06 06/12/02 | RFI-85-06 04/02/03 | RFI-85-07 06/12/02 | RFI-85-07 04/02/03 | RFI-85-08 12/18/02 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010 J) | NA | NA | 0.093 (IDW,RDW) | 0.053 (IDW,RDW) | 0.0069 (IDW,RDW) | 0.0031 | 0.00070 J |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | NA | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | NA | NA | ND(0.0020) | ND(0.0020) | 0.078 | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | ND(0.0048) |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | ND(0.012) |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | ND(0.024) |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | ND(0.024) |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | ND(0.012 J) |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | ND(0.024) |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | ND(0.024) |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | ND(0.024 J) |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | ND(0.024) |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | ND(0.024 J) |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | ND(0.024) |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | ND(0.0060 J) |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | ND(0.0060 J) |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | ND(0.0012) |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | ND(0.0024) |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | ND(0.0024) |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | ND(0.0018) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-85-02R 06/14/02 | RFI-85-03 06/13/02 | RFI-85-04R 06/12/02 | RFI-85-06 06/12/02 | RFI-85-06 04/02/03 | RFI-85-07 06/12/02 | RFI-85-07 04/02/03 | RFI-85-08 12/18/02 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | ND(0.012) |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | ND(0.012 J) |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | ND(0.0024) |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | ND(0.0048) |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | ND(0.0024) |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | ND(0.0012) |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | ND(0.0024) |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | ND(0.012) |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | ND(0.0024) |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | ND(0.024) |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Phenol | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | ND(0.0060) |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | ND(0.00011) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-85-02R 06/14/02 | RFI-85-03 06/13/02 | RFI-85-04R 06/12/02 | RFI-85-06 06/12/02 | RFI-85-06 04/02/03 | RFI-85-07 06/12/02 | RFI-85-07 04/02/03 | RFI-85-08 12/18/02 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | ND(0.0012) | ND(0.0012) | ND(0.0012) | NA | NA | ND(0.0012) | NA | ND(0.0012) |
| Arsenic | 0.00067 J | ND(0.0010) | 0.0023 J | NA | NA | ND(0.0010) | NA | 0.0016 J |
| Barium | 0.21 | 0.72 J | 0.15 J | NA | NA | 0.17 J | NA | 0.20 J |
| Beryllium | ND(0.00040 J) | ND(0.00040 J) | ND(0.00040 J) | NA | NA | ND(0.00040 J) | NA | ND(0.00040 J) |
| Cadmium | 0.000073 J | 0.00020 | 0.000067 J | NA | NA | ND(0.00020) | NA | 0.00023 J |
| Chromium Total | 0.0011 | 0.0036 | 0.00068 | NA | NA | 0.00098 | NA | 0.0020 |
| Cobalt | 0.00033 | 0.00069 | 0.00026 | NA | NA | 0.00058 | NA | 0.00038 J |
| Copper | ND(0.0018) | 0.0044 | 0.0022 | NA | NA | 0.0098 | NA | 0.0027 J |
| Cyanide (total) | 0.013 | NA | NA | NA | NA | NA | NA | 0.015 |
| Lead | ND(0.00040) | 0.00026 J | 0.00013 J | NA | NA | 0.00033 J | NA | ND(0.00040 J) |
| Manganese | 0.0020 J | 0.0059 J | 0.16 J | NA | NA | 0.84 J | NA | 0.014 J |
| Mercury | ND(0.00020) | ND(0.00020) | ND(0.00020) | NA | NA | ND(0.00020) | NA | ND(0.00020) |
| Nickel | 0.0040 | 0.0094 | 0.0041 | NA | NA | 0.0047 | NA | 0.0064 J |
| Selenium | ND(0.0014) | ND(0.0014) | ND(0.0014) | NA | NA | ND(0.0014) | NA | ND(0.0016) |
| Silver | ND(0.00040) | 0.00045 J | 0.00025 J | NA | NA | ND(0.00040 J) | NA | ND(0.00040 J) |
| Thallium | ND(0.00020) | 0.00014 J | 0.000053 J | NA | NA | 0.000068 J | NA | ND(0.00020 J) |
| Vanadium | ND(0.00080) | ND(0.00080) | ND(0.00080) | NA | NA | ND(0.00080) | NA | ND(0.00080) |
| Zinc | 0.0068 | 0.025 J | 0.0090 J | NA | NA | 0.011 J | NA | 0.0079 J |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-01R 06/25/02 | RFI-86-01R 04/02/03 | RFI-86-01R 10/07/04 | RFI-86-03 06/17/02 | RFI-86-04 06/17/02 | RFI-86-05 06/13/02 | RFI-86-05 04/02/03 | RFI-86-06D 06/18/02 | RFI-86-06D 04/03/03 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0056 | ND(0.0010) | 0.0043 | 0.0036 | 0.00075 J | 0.0014 |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0074 | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00088 J | 0.0014 |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00096 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025 J) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.030 J) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | 0.0023 J | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0035 |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00085 J | 0.0013 |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | 0.00030 J | ND(0.0050 J) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00054 J | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | 0.00065 J | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-01R 06/25/02 | RFI-86-01R 04/02/03 | RFI-86-01R 10/07/04 | RFI-86-03 06/17/02 | RFI-86-04 06/17/02 | RFI-86-05 06/13/02 | RFI-86-05 04/02/03 | RFI-86-06D 06/18/02 | RFI-86-06D 04/03/03 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0053 (IDW,RDW) | ND(0.0010) | 0.0039 | 0.0086 (IDW,RDW) | 0.0069 (IDW,RDW) | 0.023 (IDW,RDW) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00067 J | 0.0012 | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | 0.00054 J | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-01R 06/25/02 | RFI-86-01R 04/02/03 | RFI-86-01R 10/07/04 | RFI-86-03 06/17/02 | RFI-86-04 06/17/02 | RFI-86-05 06/13/02 | RFI-86-05 04/02/03 | RFI-86-06D 06/18/02 | RFI-86-06D 04/03/03 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-01R 06/25/02 | RFI-86-01R 04/02/03 | RFI-86-01R 10/07/04 | RFI-86-03 06/17/02 | RFI-86-04 06/17/02 | RFI-86-05 06/13/02 | RFI-86-05 04/02/03 | RFI-86-06D 06/18/02 | RFI-86-06D 04/03/03 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | ND(0.0012) | ND(0.0012) | NA | ND(0.0012) | NA | NA | NA | NA | NA |
| Arsenic | 0.0011 | 0.0018 | NA | 0.0041 | NA | NA | NA | NA | NA |
| Barium | 0.016 | 0.061 | NA | 0.065 | NA | NA | NA | NA | NA |
| Beryllium | ND(0.00040) | ND(0.00040) | NA | ND(0.00040 J) | NA | NA | NA | NA | NA |
| Cadmium | 0.00092 | 0.00037 | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Chromium Total | 0.00089 | 0.0017 | NA | 0.00024 J | NA | NA | NA | NA | NA |
| Cobalt | 0.0048 | 0.0040 | NA | 0.0033 | NA | NA | NA | NA | NA |
| Copper | 0.0039 | 0.0050 | NA | ND(0.0033) | NA | NA | NA | NA | NA |
| Cyanide (total) | ND(0.0050) | ND(0.0050) | NA | ND(0.0050) | NA | NA | NA | NA | NA |
| Lead | 0.00075 | 0.0013 | NA | 0.00050 | NA | NA | NA | NA | NA |
| Manganese | 0.90 (RDW) | 0.47 J | NA | 0.64 J | NA | NA | NA | NA | NA |
| Mercury | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Nickel | 0.015 | 0.030 | NA | 0.011 | NA | NA | NA | NA | NA |
| Selenium | 0.0023 J | 0.0054 | NA | ND(0.0014) | NA | NA | NA | NA | NA |
| Silver | ND(0.00040 J) | ND(0.00040) | NA | ND(0.00040) | NA | NA | NA | NA | NA |
| Thallium | ND(0.00020) | ND(0.00020) | NA | ND(0.00020) | NA | NA | NA | NA | NA |
| Vanadium | 0.00022 J | 0.00021 J | NA | ND(0.00080) | NA | NA | NA | NA | NA |
| Zinc | 0.060 | 0.22 | NA | 0.0049 J | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-06S 06/17/02 | RFI-86-06S 04/03/03 | RFI-86-08R 06/20/02 | RFI-86-08R 12/18/02 | RFI-86-08R 04/03/03 | RFI-86-14 06/17/02 | RFI-86-15 06/20/02 | RFI-86-15 04/03/03 | RFI-86-16R 09/16/03 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | 0.00091 J | 0.0015 | 0.0036 | 0.0055 | 0.0084 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | 0.00071 J | 0.0011 | 0.13 EJ | 0.097 | 0.10 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | 0.0022 | 0.0015 | 0.0016 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.025) | 0.0028 J | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) | ND(0.025) |
| Benzene | ND(0.0010) | ND(0.0010) | 0.0057 (IDW,RDW) | 0.0060 (IDW,RDW) | 0.0046 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | 0.0060 | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | 0.0032 | 14 D (IDW,RDW) | 11 D (IDW,RDW) | 5.2 D (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | 0.00058 J | 0.0011 | 0.0055 | 0.0044 | 0.0037 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | 0.0032 | 0.0035 | 0.0021 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | 0.00069 J | 0.00054 J | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | 0.0064 | 0.0065 | 0.0038 | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| Methylene chloride | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | 0.0059 | 0.0064 | 0.0041 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | 0.011 | 0.011 | 0.0080 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | 0.015 | 0.019 | 0.020 | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-06S 06/17/02 | RFI-86-06S 04/03/03 | RFI-86-08R 06/20/02 | RFI-86-08R 12/18/02 | RFI-86-08R 04/03/03 | RFI-86-14 06/17/02 | RFI-86-15 06/20/02 | RFI-86-15 04/03/03 | RFI-86-16R 09/16/03 |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| Trichloroethene | 0.0098 (IDW,RDW) | 0.019 (IDW,RDW) | 0.0060 (IDW,RDW) | 0.0062 (IDW,RDW) | 0.0097 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | 0.049 (IDW,RDW) | 0.0077 (IDW,RDW) | 0.011 (IDW,RDW) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | 0.012 | 0.013 | 0.0079 | ND(0.0020) | ND(0.0020) | ND(0.0020) | ND(0.0020) |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-06S 06/17/02 | RFI-86-06S 04/03/03 | RFI-86-08R 06/20/02 | RFI-86-08R 12/18/02 | RFI-86-08R 04/03/03 | RFI-86-14 06/17/02 | RFI-86-15 06/20/02 | RFI-86-15 04/03/03 | RFI-86-16R 09/16/03 |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-06S 06/17/02 | RFI-86-06S 04/03/03 | RFI-86-08R 06/20/02 | RFI-86-08R 12/18/02 | RFI-86-08R 04/03/03 | RFI-86-14 06/17/02 | RFI-86-15 06/20/02 | RFI-86-15 04/03/03 | RFI-86-16R 09/16/03 |
|---|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | ND(0.0012) | NA | NA | NA | NA | NA |
| Arsenic | NA | NA | 0.047 | 0.041 | NA | NA | NA | NA | NA |
| Barium | NA | NA | 0.26 | 0.24 J | NA | NA | NA | NA | NA |
| Beryllium | NA | NA | ND(0.00040) | ND(0.00040 J) | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | ND(0.00020) | ND(0.00020 J) | NA | NA | NA | NA | NA |
| Chromium Total | NA | NA | 0.00080 | 0.0018 | NA | NA | NA | NA | NA |
| Cobalt | NA | NA | 0.00056 | 0.00044 J | NA | NA | NA | NA | NA |
| Copper | NA | NA | 0.0033 | 0.0036 J | NA | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA | NA | NA | NA |
| Lead | NA | NA | 0.00043 | 0.00083 J | NA | NA | NA | NA | NA |
| Manganese | NA | NA | 0.25 | 0.28 J | NA | NA | NA | NA | NA |
| Mercury | NA | NA | ND(0.00020) | ND(0.00020) | NA | NA | NA | NA | NA |
| Nickel | NA | NA | 0.017 | 0.014 J | NA | NA | NA | NA | NA |
| Selenium | NA | NA | ND(0.0014) | ND(0.0016) | NA | NA | NA | NA | NA |
| Silver | NA | NA | ND(0.00040 J) | ND(0.00040 J) | NA | NA | NA | NA | NA |
| Thallium | NA | NA | 0.00014 J | 0.00014 J | NA | NA | NA | NA | NA |
| Vanadium | NA | NA | 0.0013 | 0.0015 | NA | NA | NA | NA | NA |
| Zinc | NA | NA | ND(0.020 J) | 0.018 J | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-16R 10/06/04 | RFI-94-02R 04/03/03 | RFI-94-02R 04/04/03 | RFI-94-02R 09/18/03 | RFI-94-02R 10/06/04 | RFI-94-05 12/17/02 | RFI-94-07 12/17/02 | RFI-94-07 03/24/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | NA | 0.039 | 0.033 | 0.027 | ND(0.0010) | NA | NA |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| 1,1,2-Trichloroethane | ND(0.0010) | NA | ND(0.0010) | 0.00081 J | 0.00080 J | ND(0.0010) | NA | NA |
| 1,1-Dichloroethane | ND(0.0010) | NA | 0.0010 | 0.00089 J | 0.0010 J | ND(0.0010) | NA | NA |
| 1,1-Dichloroethene | ND(0.0010) | NA | 0.0075 (IDW,RDW) | 0.0053 | 0.0020 J | ND(0.0010) | NA | NA |
| 1,2,4-Trichlorobenzene | ND(0.0020) | NA | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | NA | NA |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| 1,2-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| 1,2-Dichloroethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| 1,2-Dichloropropane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| 1,3-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| 1,4-Dichlorobenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.030) | NA | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | NA | NA |
| 2-Hexanone | ND(0.050) | NA | ND(0.050) | ND(0.050) | ND(0.050 J) | ND(0.050) | NA | NA |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.0010) | NA | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | NA | NA |
| Acetone | ND(0.030) | NA | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | NA | NA |
| Benzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | 0.00050 J | ND(0.0010) | NA | NA |
| Bromodichloromethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Bromoform | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) | NA | NA |
| Bromomethane (Methyl Bromide) | ND(0.0020 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0020 J) | ND(0.0010) | NA | NA |
| Carbon disulfide | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Carbon tetrachloride | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | NA |
| Chlorobenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Chloroethane | ND(0.0010 J) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | NA | NA |
| Chloroform (Trichloromethane) | ND(0.0010) | NA | 0.0030 | 0.0024 | 0.0020 | ND(0.0010) | NA | NA |
| Chloromethane (Methyl Chloride) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| cis-1,2-Dichloroethene | ND(0.0010) | NA | 0.0052 | 0.0045 | 0.023 | ND(0.0010) | NA | NA |
| cis-1,3-Dichloropropene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Cyclohexane | ND(0.0010) | NA | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | NA |
| Dibromochloromethane | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | NA | NA |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Ethylbenzene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Isopropylbenzene | ND(0.0010) | NA | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | NA | NA |
| m&p-Xylene | ND(0.0010) | NA | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | NA | NA |
| Methyl acetate | ND(0.010 J) | NA | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.0050) | NA | NA |
| Methyl cyclohexane | ND(0.020) | NA | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) | NA | NA |
| Methyl Tert Butyl Ether | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| Methylene chloride | ND(0.0050) | NA | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | NA | NA |
| o-Xylene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Styrene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Tetrachloroethene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Toluene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| trans-1,2-Dichloroethene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | 0.00030 J | ND(0.0010) | NA | NA |
| trans-1,3-Dichloropropene | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-16R 10/06/04 | RFI-94-02R 04/03/03 | RFI-94-02R 04/04/03 | RFI-94-02R 09/18/03 | RFI-94-02R 10/06/04 | RFI-94-05 12/17/02 | RFI-94-07 12/17/02 | RFI-94-07 03/24/03 |
|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | |
| Trichloroethene | ND(0.0010) | NA | 0.51 D(GSI,IDW,RDW) | 0.56 D(GSI,IDW,RDW) | 0.95(GSI,IDW,RDW) | 0.00074 J | NA | NA |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | NA | ND(0.0010) | 0.0011 | 0.00060 J | ND(0.0010) | NA | NA |
| Trifluorotrichloroethane (Freon 113) | ND(0.030) | NA | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | NA | NA |
| Vinyl chloride | ND(0.0010) | NA | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | NA | NA |
| Xylenes (total) | ND(0.0010) | NA | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | NA | NA |
| **SVOC** | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2,4,5-Trichlorophenol | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2,4,6-Trichlorophenol | NA | NA | ND(0.0040) | NA | NA | ND(0.0042) | ND(0.0044) | ND(0.0040) |
| 2,4-Dichlorophenol | NA | NA | ND(0.010) | NA | NA | ND(0.011) | ND(0.011) | ND(0.010) |
| 2,4-Dimethylphenol | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2,4-Dinitrophenol | NA | NA | ND(0.020) | NA | NA | ND(0.021) | ND(0.022) | ND(0.020) |
| 2,4-Dinitrotoluene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2,6-Dinitrotoluene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2-Chloronaphthalene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2-Chlorophenol | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2-Methylnaphthalene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2-Methylphenol | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 2-Nitroaniline | NA | NA | ND(0.020) | NA | NA | ND(0.021) | ND(0.022) | ND(0.020) |
| 2-Nitrophenol | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 3&4-Methylphenol | NA | NA | ND(0.010 J) | NA | NA | ND(0.011 J) | ND(0.011 J) | ND(0.010 J) |
| 3,3'-Dichlorobenzidine | NA | NA | ND(0.020 J) | NA | NA | ND(0.021) | ND(0.022) | ND(0.020 J) |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | ND(0.020) | NA | NA | ND(0.021) | ND(0.022) | ND(0.020) |
| 4,6-Dinitro-2-methylphenol | NA | NA | ND(0.020) | NA | NA | ND(0.021 J) | ND(0.022 J) | ND(0.020) |
| 4-Bromophenyl phenyl ether | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 4-Chloro-3-methylphenol | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 4-Chloroaniline | NA | NA | ND(0.020 J) | NA | NA | ND(0.021) | ND(0.022) | ND(0.020) |
| 4-Chlorophenyl phenyl ether | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| 4-Nitroaniline | NA | NA | ND(0.020) | NA | NA | ND(0.021 J) | ND(0.022 J) | ND(0.020) |
| 4-Nitrophenol | NA | NA | ND(0.020) | NA | NA | ND(0.021) | ND(0.022) | ND(0.020) |
| Acenaphthene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Acenaphthylene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Acetophenone | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Anthracene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Atrazine | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050 J) |
| Benzaldehyde | NA | NA | ND(0.0050 J) | NA | NA | ND(0.0053 J) | ND(0.0055 J) | ND(0.0050 J) |
| Benzo(a)anthracene | NA | NA | ND(0.0010) | NA | NA | ND(0.0011) | ND(0.0011) | ND(0.0010) |
| Benzo(a)pyrene | NA | NA | ND(0.0020) | NA | NA | ND(0.0021) | ND(0.0022) | ND(0.0020) |
| Benzo(b)fluoranthene | NA | NA | ND(0.0020) | NA | NA | ND(0.0021) | ND(0.0022) | ND(0.0020) |
| Benzo(g,h,i)perylene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Benzo(k)fluoranthene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Biphenyl | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| bis(2-Chloroethoxy)methane | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| bis(2-Chloroethyl)ether | NA | NA | ND(0.0015) | NA | NA | ND(0.0016) | ND(0.0016) | ND(0.0015) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-16R 10/06/04 | RFI-94-02R 04/03/03 | RFI-94-02R 04/04/03 | RFI-94-02R 09/18/03 | RFI-94-02R 10/06/04 | RFI-94-05 12/17/02 | RFI-94-07 12/17/02 | RFI-94-07 03/24/03 |
|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Butyl benzylphthalate | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Caprolactam | NA | NA | ND(0.010) | NA | NA | ND(0.011) | ND(0.011) | ND(0.010) |
| Carbazole | NA | NA | ND(0.010) | NA | NA | ND(0.011 J) | ND(0.011 J) | ND(0.010) |
| Chrysene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Dibenz(a,h)anthracene | NA | NA | ND(0.0020) | NA | NA | ND(0.0021) | ND(0.0022) | ND(0.0020 J) |
| Dibenzofuran | NA | NA | ND(0.0040) | NA | NA | ND(0.0042) | ND(0.0044) | ND(0.0040) |
| Diethyl phthalate | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Dimethyl phthalate | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Di-n-butylphthalate | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Di-n-octyl phthalate | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Fluoranthene | NA | NA | ND(0.0020) | NA | NA | ND(0.0021) | ND(0.0022) | ND(0.0020) |
| Fluorene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Hexachlorobenzene | NA | NA | ND(0.0010) | NA | NA | ND(0.0011) | ND(0.0011) | ND(0.0010) |
| Hexachlorobutadiene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Hexachlorocyclopentadiene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Hexachloroethane | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Indeno(1,2,3-cd)pyrene | NA | NA | ND(0.0020) | NA | NA | ND(0.0021) | ND(0.0022) | ND(0.0020 J) |
| Isophorone | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Methylphenols, Total | NA | NA | ND(0.010) | NA | NA | ND(0.011) | ND(0.011) | ND(0.010) |
| Naphthalene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Nitrobenzene | NA | NA | ND(0.0020) | NA | NA | ND(0.0021) | ND(0.0022) | ND(0.0020) |
| N-Nitrosodi-n-propylamine | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| N-Nitrosodiphenylamine | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Pentachlorophenol | NA | NA | ND(0.020 J) | NA | NA | ND(0.021) | ND(0.022) | ND(0.020) |
| Phenanthrene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Phenol | NA | NA | 0.019 | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| Pyrene | NA | NA | ND(0.0050) | NA | NA | ND(0.0053) | ND(0.0055) | ND(0.0050) |
| **PCB** | | | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | ND(0.00010) | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | ND(0.00010) | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | ND(0.00010) | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | ND(0.00010) | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | ND(0.00010) | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | ND(0.00010) | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | ND(0.00010) | NA | NA | NA | ND(0.00011) | NA | NA |
| Total PCBs | NA | ND(0.00010) | NA | NA | NA | ND(0.00011) | NA | NA |
| **PCB-Dissolved** | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00011) | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | ND(0.00011) | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | ND(0.00011) | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-86-16R 10/06/04 | RFI-94-02R 04/03/03 | RFI-94-02R 04/04/03 | RFI-94-02R 09/18/03 | RFI-94-02R 10/06/04 | RFI-94-05 12/17/02 | RFI-94-07 12/17/02 | RFI-94-07 03/24/03 |
|---|---|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | | | |
| Antimony | NA | NA | ND(0.0012) | NA | NA | ND(0.0012) | NA | NA |
| Arsenic | NA | NA | ND(0.0010) | NA | NA | 0.0012 J | NA | NA |
| Barium | NA | NA | 0.047 | NA | NA | 0.045 J | NA | NA |
| Beryllium | NA | NA | ND(0.00080) | NA | NA | ND(0.00040 J) | NA | NA |
| Cadmium | NA | NA | 0.000075 J | NA | NA | ND(0.00020 J) | NA | NA |
| Chromium Total | NA | NA | 0.00034 J | NA | NA | 0.0013 | NA | NA |
| Cobalt | NA | NA | 0.0016 | NA | NA | 0.00091 J | NA | NA |
| Copper | NA | NA | 0.0052 | NA | NA | 0.0029 J | NA | NA |
| Cyanide (total) | NA | NA | 0.0032 J | NA | NA | ND(0.0050) | NA | NA |
| Lead | NA | NA | 0.00028 J | NA | NA | 0.00086 J | NA | NA |
| Manganese | NA | NA | 0.29 J | NA | NA | 0.12 | NA | NA |
| Mercury | NA | NA | ND(0.00020) | NA | NA | ND(0.00020) | NA | NA |
| Nickel | NA | NA | 0.016 | NA | NA | 0.0056 J | NA | NA |
| Selenium | NA | NA | ND(0.0016) | NA | NA | ND(0.0016) | NA | NA |
| Silver | NA | NA | ND(0.00040 J) | NA | NA | ND(0.00040 J) | NA | NA |
| Thallium | NA | NA | ND(0.00020) | NA | NA | 0.00015 J | NA | NA |
| Vanadium | NA | NA | 0.00035 J | NA | NA | 0.0011 | NA | NA |
| Zinc | NA | NA | 0.0089 | NA | NA | 0.0051 J | NA | NA |
| **Inorganic-Dissolved** | | | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-94-08 12/16/03 | RFI-94-09 12/15/03 | RFI-94-09 02/25/05 | RFI-94-10 12/15/03 | RFI-94-10 10/08/04 | RFI-94-11 04/07/05 |
|---|---|---|---|---|---|---|
| **VOC** | | | | | | |
| 1,1,1-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00030 J | ND(0.0010) |
| 1,1,2,2-Tetrachloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1,2-Trichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,1-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00040 J | ND(0.0010) |
| 1,1-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2,4-Trichlorobenzene | ND(0.0050) | ND(0.0050) | ND(0.0020) | ND(0.0050) | ND(0.0020) | ND(0.0020) |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) |
| 1,2-Dibromoethane (Ethylene Dibromide) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,2-Dichloropropane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,3-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 1,4-Dichlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| 2-Butanone (Methyl Ethyl Ketone) | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.030) |
| 2-Hexanone | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) | ND(0.050) |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | ND(0.050) | ND(0.050) | ND(0.0010) | ND(0.050) | ND(0.0010) | ND(0.0010) |
| Acetone | ND(0.025) | ND(0.025) | ND(0.030) | ND(0.025) | ND(0.030) | ND(0.030 J) |
| Benzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromodichloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Bromoform | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010 J) |
| Bromomethane (Methyl Bromide) | ND(0.0010) | ND(0.0010) | R | ND(0.0010) | ND(0.0020 J) | R |
| Carbon disulfide | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) | ND(0.0050) |
| Carbon tetrachloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chlorobenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloroethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Chloroform (Trichloromethane) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Chloromethane (Methyl Chloride) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| cis-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00070 J | ND(0.0010) |
| cis-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Cyclohexane | ND(0.0050) | ND(0.0050) | ND(0.0010 J) | ND(0.0050) | ND(0.0010) | ND(0.0010 J) |
| Dibromochloromethane | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Dichlorodifluoromethane (CFC-12) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010 J) | ND(0.0010) |
| Ethylbenzene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Isopropylbenzene | ND(0.0050) | ND(0.0050) | ND(0.0010) | ND(0.0050) | ND(0.0010) | ND(0.0010) |
| m&p-Xylene | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0010) |
| Methyl acetate | ND(0.0050) | ND(0.0050) | ND(0.010) | ND(0.0050) | ND(0.010) | ND(0.010) |
| Methyl cyclohexane | ND(0.0010) | ND(0.0010) | ND(0.020) | ND(0.0010) | ND(0.020) | ND(0.020) |
| Methyl Tert Butyl Ether | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050 J) |
| Methylene chloride | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) | ND(0.0050) |
| o-Xylene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Styrene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Tetrachloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Toluene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,2-Dichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| trans-1,3-Dichloropropene | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-94-08 12/16/03 | RFI-94-09 12/15/03 | RFI-94-09 02/25/05 | RFI-94-10 12/15/03 | RFI-94-10 10/08/04 | RFI-94-11 04/07/05 |
|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | |
| Trichloroethene | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.0025 | 0.0030 | ND(0.0010) |
| Trichlorofluoromethane (CFC-11) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | 0.00090 J | ND(0.0010) |
| Trifluorotrichloroethane (Freon 113) | ND(0.0010) | ND(0.0010) | ND(0.030) | ND(0.0010) | ND(0.030) | ND(0.030) |
| Vinyl chloride | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) | ND(0.0010) |
| Xylenes (total) | ND(0.0020) | ND(0.0020) | ND(0.0010) | ND(0.0020) | ND(0.0010) | ND(0.0010) |
| **SVOC** | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | NA | NA | NA | NA | NA | NA |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | NA |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | NA |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | NA |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | NA |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | NA |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | NA |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | NA |
| 2-Chlorophenol | NA | NA | NA | NA | NA | NA |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | NA |
| 2-Methylphenol | NA | NA | NA | NA | NA | NA |
| 2-Nitroaniline | NA | NA | NA | NA | NA | NA |
| 2-Nitrophenol | NA | NA | NA | NA | NA | NA |
| 3&4-Methylphenol | NA | NA | NA | NA | NA | NA |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | NA |
| 3-Methylphenol | NA | NA | NA | NA | NA | NA |
| 3-Nitroaniline | NA | NA | NA | NA | NA | NA |
| 4,6-Dinitro-2-methylphenol | NA | NA | NA | NA | NA | NA |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | NA |
| 4-Chloro-3-methylphenol | NA | NA | NA | NA | NA | NA |
| 4-Chloroaniline | NA | NA | NA | NA | NA | NA |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | NA |
| 4-Nitroaniline | NA | NA | NA | NA | NA | NA |
| 4-Nitrophenol | NA | NA | NA | NA | NA | NA |
| Acenaphthene | NA | NA | NA | NA | NA | NA |
| Acenaphthylene | NA | NA | NA | NA | NA | NA |
| Acetophenone | NA | NA | NA | NA | NA | NA |
| Anthracene | NA | NA | NA | NA | NA | NA |
| Atrazine | NA | NA | NA | NA | NA | NA |
| Benzaldehyde | NA | NA | NA | NA | NA | NA |
| Benzo(a)anthracene | NA | NA | NA | NA | NA | NA |
| Benzo(a)pyrene | NA | NA | NA | NA | NA | NA |
| Benzo(b)fluoranthene | NA | NA | NA | NA | NA | NA |
| Benzo(g,h,i)perylene | NA | NA | NA | NA | NA | NA |
| Benzo(k)fluoranthene | NA | NA | NA | NA | NA | NA |
| Biphenyl | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethoxy)methane | NA | NA | NA | NA | NA | NA |
| bis(2-Chloroethyl)ether | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-94-08 12/16/03 | RFI-94-09 12/15/03 | RFI-94-09 02/25/05 | RFI-94-10 12/15/03 | RFI-94-10 10/08/04 | RFI-94-11 04/07/05 |
|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | |
| bis(2-Ethylhexyl)phthalate | NA | NA | NA | NA | NA | NA |
| Butyl benzylphthalate | NA | NA | NA | NA | NA | NA |
| Caprolactam | NA | NA | NA | NA | NA | NA |
| Carbazole | NA | NA | NA | NA | NA | NA |
| Chrysene | NA | NA | NA | NA | NA | NA |
| Dibenz(a,h)anthracene | NA | NA | NA | NA | NA | NA |
| Dibenzofuran | NA | NA | NA | NA | NA | NA |
| Diethyl phthalate | NA | NA | NA | NA | NA | NA |
| Dimethyl phthalate | NA | NA | NA | NA | NA | NA |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | NA |
| Di-n-octyl phthalate | NA | NA | NA | NA | NA | NA |
| Fluoranthene | NA | NA | NA | NA | NA | NA |
| Fluorene | NA | NA | NA | NA | NA | NA |
| Hexachlorobenzene | NA | NA | NA | NA | NA | NA |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | NA |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | NA |
| Hexachloroethane | NA | NA | NA | NA | NA | NA |
| Indeno(1,2,3-cd)pyrene | NA | NA | NA | NA | NA | NA |
| Isophorone | NA | NA | NA | NA | NA | NA |
| Methylphenols, Total | NA | NA | NA | NA | NA | NA |
| Naphthalene | NA | NA | NA | NA | NA | NA |
| Nitrobenzene | NA | NA | NA | NA | NA | NA |
| N-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | NA |
| N-Nitrosodiphenylamine | NA | NA | NA | NA | NA | NA |
| Pentachlorophenol | NA | NA | NA | NA | NA | NA |
| Phenanthrene | NA | NA | NA | NA | NA | NA |
| Phenol | NA | NA | NA | NA | NA | NA |
| Pyrene | NA | NA | NA | NA | NA | NA |
| **PCB** | | | | | | |
| Aroclor-1016 (PCB-1016) | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA |
| **PCB-Dissolved** | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1221 (PCB-1221) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1232 (PCB-1232) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1242 (PCB-1242) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1248 (PCB-1248) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1254 (PCB-1254) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 (PCB-1260) (Dissolved) | NA | NA | NA | NA | NA | NA |
| Total PCBs (Dissolved) | NA | NA | NA | NA | NA | NA |

**TABLE C-2**
**GROUNDWATER ANALYTICAL DATA**
**(in mg/L)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE**

| Sample ID: / Date Collected: | RFI-94-08 12/16/03 | RFI-94-09 12/15/03 | RFI-94-09 02/25/05 | RFI-94-10 12/15/03 | RFI-94-10 10/08/04 | RFI-94-11 04/07/05 |
|---|---|---|---|---|---|---|
| **Inorganic** | | | | | | |
| Antimony | NA | NA | NA | NA | NA | NA |
| Arsenic | NA | NA | NA | NA | NA | NA |
| Barium | NA | NA | NA | NA | NA | NA |
| Beryllium | NA | NA | NA | NA | NA | NA |
| Cadmium | NA | NA | NA | NA | NA | NA |
| Chromium Total | NA | NA | NA | NA | NA | NA |
| Cobalt | NA | NA | NA | NA | NA | NA |
| Copper | NA | NA | NA | NA | NA | NA |
| Cyanide (total) | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | NA | NA | NA | NA |
| Manganese | NA | NA | NA | NA | NA | NA |
| Mercury | NA | NA | NA | NA | NA | NA |
| Nickel | NA | NA | NA | NA | NA | NA |
| Selenium | NA | NA | NA | NA | NA | NA |
| Silver | NA | NA | NA | NA | NA | NA |
| Thallium | NA | NA | NA | NA | NA | NA |
| Vanadium | NA | NA | NA | NA | NA | NA |
| Zinc | NA | NA | NA | NA | NA | NA |
| **Inorganic-Dissolved** | | | | | | |
| Antimony (Dissolved) | NA | NA | NA | NA | NA | NA |
| Arsenic (Dissolved) | NA | NA | NA | NA | NA | NA |
| Barium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Beryllium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Cadmium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Chromium Total (Dissolved) | NA | NA | NA | NA | NA | NA |
| Cobalt (Dissolved) | NA | NA | NA | NA | NA | NA |
| Copper (Dissolved) | NA | NA | NA | NA | NA | NA |
| Cyanide (dissolved) | NA | NA | NA | NA | NA | NA |
| Lead (Dissolved) | NA | NA | NA | NA | NA | NA |
| Manganese (Dissolved) | NA | NA | NA | NA | NA | NA |
| Mercury (Dissolved) | NA | NA | NA | NA | NA | NA |
| Nickel (Dissolved) | NA | NA | NA | NA | NA | NA |
| Selenium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Silver (Dissolved) | NA | NA | NA | NA | NA | NA |
| Thallium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Vanadium (Dissolved) | NA | NA | NA | NA | NA | NA |
| Zinc (Dissolved) | NA | NA | NA | NA | NA | NA |

**TABLE C-3**
**MDEQ PART 201 GROUNDWATER CRITERIA**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

(for constituents listed in the Project Analyte List)
(concentrations presented in milligrams per liter)

| | Chemical Abstract Service Number | Residential & Commercial I Drinking Water Criteria (RDW) | Industrial & Commercial II, III & IV Drinking Water Criteria (IDW) | Groundwater Surface Water Interface Criteria (GSI) | Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIA) | Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIA) | Groundwater Contact Criteria (GCC) | Flammability and Explosivity Screening Level (FE) | Acute Inhalation Screening Level (GAI) |
|---|---|---|---|---|---|---|---|---|---|
| **VOC** | | | | | | | | | |
| 1,1,1-Trichloroethane | 71556 | 0.2 {A} | 0.2 {A} | 0.2 | 660 | 1,300 {S} | 1,300 {S} | {ID} | 1,300 {S} |
| 1,1,2,2-Tetrachloroethane | 79345 | 0.0085 | 0.035 | 0.078 {X} | 12 | 77 | 4.7 | {ID} | {ID} |
| 1,1,2-Trichloroethane | 79005 | 0.005 {A} | 0.005 {A} | 0.33 {X} | 17 | 110 | 21 | {NA} | {ID} |
| 1,1-Dichloroethane | 75343 | 0.88 | 2.5 | 0.74 | 1,000 | 2,300 | 2,400 | 380 | {ID} |
| 1,1-Dichloroethene | 75354 | 0.007 {I,A} | 0.007 {I,A} | 0.065 {I,X} | 0.2 {I} | 1.3 {I} | 11 {I} | 97 {I} | 140 {I} |
| 1,2,4-Trichlorobenzene | 120821 | 0.07 {A} | 0.07 {A} | 0.03 | 300 {S} | 300 {S} | 19 | {NA} | 300 {S} |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96128 | 0.0002 {A} | 0.0002 {A} | {NA} | 1.2 {S} | 1.2 {S} | 0.39 | {NA} | {ID} |
| 1,2-Dibromoethane (Ethylene Dibromide) | 106934 | 0.00005 {A} | 0.00005 {A} | 0.0002 {X} | 2.4 | 15 | 0.025 | {ID} | {ID} |
| 1,2-Dichlorobenzene | 95501 | 0.6 {A} | 0.6 {A} | 0.016 | 160 {S} | 160 {S} | 160 {S} | {NA} | 160 {S} |
| 1,2-Dichloroethane | 107062 | 0.005 {I,A} | 0.005 {I,A} | 0.36 {I,X} | 9.6 {I} | 59 {I} | 19 {I} | 2,500 {I} | {ID} |
| 1,2-Dichloropropane | 78875 | 0.005 {I,A} | 0.005 {I,A} | 0.29 {I,X} | 16 {I} | 36 {I} | 16 {I} | 550 {I} | 2,800 {I,S} |
| 1,3-Dichlorobenzene | 541731 | 0.0066 | 0.019 | 0.038 | {ID} | {ID} | 2 | {ID} | {ID} |
| 1,4-Dichlorobenzene | 106467 | 0.075 {A} | 0.075 {A} | 0.013 | 16 | 74 {S} | 6.4 | {NA} | {ID} |
| 2-Butanone (Methyl Ethyl Ketone) | 78933 | 13 {I} | 38 {I} | 2.2 {I} | 240,000 {I,S} | 240,000 {I,S} | 240,000 {I,S} | {ID} | 240,000 {I,S} |
| 2-Hexanone | 591786 | 1 | 2.9 | {NA} | 4,200 | 8,700 | 5,200 | {NA} | {ID} |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone) | 108101 | 1.8 {I} | 5.2 {I} | {ID} | 20,000 {I,S} | 20,000 {S} | 13,000 {I} | {ID} | 20,000 {I,S} |
| Acetone | 67641 | 0.73 {I} | 2.1 {I} | 1.7 {I} | 1,000,000 {I,D,S} | 1,000,000 {I,D,S} | 31,000 {I} | 15,000 {I} | 1,000,000 {I,D} |
| Benzene | 71432 | 0.005 {I,A} | 0.005 {I,A} | 0.2 {I,X} | 5.6 {I} | 35 {I} | 11 {I} | 68 {I} | 67 {I} |
| Bromodichloromethane | 75274 | 0.08 {AW} | 0.08 {A,W} | {ID} | 4.8 | 37 | 14 | {ID} | {ID} |
| Bromoform | 75252 | 0.08 {AW} | 0.08 {A,W} | {ID} | 470 | 3,100 {S} | 140 | {ID} | {ID} |
| Bromomethane (Methyl Bromide) | 74839 | 0.01 | 0.029 | 0.035 | 4 | 9 | 70 | {ID} | {ID} |
| Carbon disulfide | 75150 | 0.8 {I,R} | 2.3 {I,R} | {ID} | 250 {I,R} | 550 {I,R} | 1,200 {I,R,S} | 13 {I,R} | {ID} |
| Carbon tetrachloride | 56235 | 0.005 {A} | 0.005 {A} | 0.045 {X} | 0.37 | 2.4 | 4.6 | {ID} | 96 |
| Chlorobenzene | 108907 | 0.1 {I,A} | 0.1 {I,A} | 0.047 {I} | 210 {I} | 470 {I,S} | 86 {I} | 160 {I} | {ID} |
| Chloroethane | 75003 | 0.43 | 1.7 | {ID} | 5,700 {S} | 5,700 {S} | 440 | 110 | {ID} |
| Chloroform (Trichloromethane) | 67663 | 0.08 {A,W} | 0.08 {A,W} | 0.17 {X} | 28 | 180 | 150 | {ID} | {ID} |
| Chloromethane (Methyl Chloride) | 74873 | 0.26 {I} | 1.1 {I} | {ID} | 8.6 {I} | 45 {I} | 490 {I} | 36 {I} | 210 {I} |
| cis-1,2-Dichloroethene | 156592 | 0.07 {A} | 0.07 {A} | 0.62 | 93 | 210 | 200 | 530 | {ID} |
| cis-1,3-Dichloropropene | 10061015 | - - | - - | - - | - - | - - | - - | - - | - - |
| Cyclohexane | 110827 | - - | - - | - - | - - | - - | - - | - - | - - |
| Dibromochloromethane | 124481 | 0.08 {A,W} | 0.08 {A,W} | {ID} | 14 | 110 | 18 | {ID} | {ID} |
| Dichlorodifluoromethane (CFC-12) | 75718 | 1.7 | 4.8 | {ID} | 220 | 300 {S} | 300 {S} | {ID} | {ID} |
| Ethylbenzene | 100414 | 0.7 {I,E} | 0.7 {I,E} | 0.018 {I} | 110 {I} | 170 {I,S} | 170 {I,S} | 43 {I} | 170 {I,S} |
| Isopropylbenzene | 98828 | 0.8 | 2.3 | {ID} | 56 {S} | 56 {S} | 56 {S} | 29 | {ID} |
| Methyl acetate | 79209 | - - | - - | - - | - - | - - | - - | - - | - - |
| Methyl cyclohexane | 108872 | - - | - - | - - | - - | - - | - - | - - | - - |
| Methyl Tert Butyl Ether | 1634044 | 0.24 {E} | 0.69 {E} | 0.73 {X} | 47,000 {S} | 47,000 {S} | 610 | {ID} | {ID} |
| Methylene chloride | 75092 | 0.005 {A} | 0.005 {A} | 0.94 {X} | 220 | 1,400 | 220 | {ID} | {ID} |

**TABLE C-3**
**MDEQ PART 201 GROUNDWATER CRITERIA**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

(for constituents listed in the Project Analyte List)
(concentrations presented in milligrams per liter)

| | Chemical Abstract Service Number | Residential & Commercial I Drinking Water Criteria (RDW) | Industrial & Commercial II, III & IV Drinking Water Criteria (IDW) | Groundwater Surface Water Interface Criteria (GSI) | Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIA) | Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIA) | Groundwater Contact Criteria (GCC) | Flammability and Explosivity Screening Level (FE) | Acute Inhalation Screening Level (GAI) |
|---|---|---|---|---|---|---|---|---|---|
| **VOC (Cont'd.)** | | | | | | | | | |
| o-Xylene | 95476 | - - | - - | - - | - - | - - | - - | - - | - - |
| Styrene | 100425 | 0.1 {A} | 0.1 {A} | 0.08 | 170 | 310 {S} | 9.7 | 140 | 310 {S} |
| Tetrachloroethene | 127184 | 0.005 {A} | 0.005 {A} | 0.045 {X} | 25 | 170 | 12 | {ID} | 200 {S} |
| Toluene | 108883 | 1 {I,E} | 1 {I,E} | 0.14 {I} | 530 {I,S} | 530 {I,S} | 530 {I,S} | 61 {I} | {ID} |
| trans-1,2-Dichloroethene | 156605 | 0.1 {A} | 0.1 {A} | 1.5 | 85 | 200 | 220 | 230 | {ID} |
| trans-1,3-Dichloropropene | 10061026 | - - | - - | - - | - - | - - | - - | - - | - - |
| Trichloroethene | 79016 | 0.005 {A} | 0.005 {A} | 0.2 {X} | 15 | 97 | 22 | {ID} | 1,100 {S} |
| Trichlorofluoromethane (CFC-11) | 75694 | 2.6 | 7.3 | {NA} | 1,100 {S} | 1,100 {S} | 1,100 {S} | {ID} | 1,100 {S} |
| Trifluorotrichloroethane (Freon 113) | 76131 | 170 {S} | 170 {S} | 0.032 | 170 {S} | 170 {S} | 170 {S} | {ID} | 170 {S} |
| Vinyl chloride | 75014 | 0.002 {A} | 0.002 {A} | 0.015 | 1.1 | 13 | 1 | 33 | {ID} |
| Xylenes (total) | 1330207 | 10 {I,E} | 10 {I,E} | 0.035 {I} | 190 {I,S} | 190 {I,S} | 190 {I,S} | 70 {I} | 190 {I,S} |
| **SVOC** | | | | | | | | | |
| 2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether) | 108601 | - - | - - | - - | - - | - - | - - | - - | - - |
| 2,4,5-Trichlorophenol | 95954 | 0.73 | 2.1 | {NA} | {NLV} | {NLV} | 170 | {ID} | {ID} |
| 2,4,6-Trichlorophenol | 88062 | 0.12 | 0.47 | 0.0044 | {NLV} | {NLV} | 10 | {ID} | {ID} |
| 2,4-Dichlorophenol | 120832 | 0.073 | 0.21 | 0.019 | {NLV} | {NLV} | 48 | {ID} | {ID} |
| 2,4-Dimethylphenol | 105679 | 0.37 | 1 | 0.38 | {NLV} | {NLV} | 520 | {ID} | {ID} |
| 2,4-Dinitrophenol | 51285 | - - | - - | - - | - - | - - | - - | - - | - - |
| 2,4-Dinitrotoluene | 121142 | 0.0077 | 0.032 | {NA} | {NLV} | {NLV} | 8.6 | {ID} | {ID} |
| 2,6-Dinitrotoluene | 606202 | - - | - - | - - | - - | - - | - - | - - | - - |
| 2-Chloronaphthalene | 91587 | 1.8 | 5.2 | {NA} | {ID} | {ID} | 6.7 {S} | {ID} | {ID} |
| 2-Chlorophenol | 95578 | 0.045 | 0.13 | 0.022 | {ID} | {ID} | 94 | {ID} | {ID} |
| 2-Methylnaphthalene | 91576 | 0.26 | 0.75 | {ID} | {ID} | {ID} | 25 {S} | {ID} | {ID} |
| 2-Methylphenol | 95487 | - - | - - | - - | - - | - - | - - | - - | - - |
| 2-Nitroaniline | 88744 | - - | - - | - - | - - | - - | - - | - - | - - |
| 2-Nitrophenol | 88755 | 0.02 | 0.058 | {ID} | {NLV} | {NLV} | 79 | {ID} | {ID} |
| 3,3'-Dichlorobenzidine | 91941 | 0.0011 | 0.0043 | 0.0003 {X} | {NLV} | {NLV} | 0.18 | {ID} | {ID} |
| 3-Methylphenol | 108394 | - - | - - | - - | - - | - - | - - | - - | - - |
| 3-Nitroaniline | 99092 | - - | - - | - - | - - | - - | - - | - - | - - |
| 4,6-Dinitro-2-methylphenol | 534521 | 0.02 {M} | 0.02 {M} | {NA} | {NLV} | {NLV} | 9.5 | {ID} | {ID} |
| 4-Bromophenyl phenyl ether | 101553 | - - | - - | - - | - - | - - | - - | - - | - - |
| 4-Chloro-3-methylphenol | 59507 | 0.15 | 0.42 | 0.0074 | {NLV} | {NLV} | 79 | {ID} | {ID} |
| 4-Chloroaniline | 106478 | - - | - - | - - | - - | - - | - - | - - | - - |
| 4-Chlorophenyl phenyl ether | 7005723 | - - | - - | - - | - - | - - | - - | - - | - - |
| 4-Nitroaniline | 100016 | - - | - - | - - | - - | - - | - - | - - | - - |
| 4-Nitrophenol | 100027 | - - | - - | - - | - - | - - | - - | - - | - - |
| Acenaphthene | 83329 | 1.3 | 3.8 | 0.019 | 4.2 {S} | 4.2 {S} | 4.2 {S} | {ID} | {ID} |
| Acenaphthylene | 208968 | 0.052 | 0.15 | {ID} | 3.9 {S} | 3.9 {S} | 3.9 {S} | {ID} | {ID} |

**TABLE C-3**
**MDEQ PART 201 GROUNDWATER CRITERIA**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

(for constituents listed in the Project Analyte List)
(concentrations presented in milligrams per liter)

| | Chemical Abstract Service Number | Residential & Commercial I Drinking Water Criteria (RDW) | Industrial & Commercial II, III & IV Drinking Water Criteria (IDW) | Groundwater Surface Water Interface Criteria (GSI) | Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIA) | Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIA) | Groundwater Contact Criteria (GCC) | Flammability and Explosivity Screening Level (FE) | Acute Inhalation Screening Level (GAI) |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| Acetophenone | 98862 | 1.5 | 4.4 | {ID} | 6,100 {S} | 6,100 {S} | 6,100 {S} | {ID} | {ID} |
| Anthracene | 120127 | 0.043 {S} | 0.043 {S} | {ID} | 0.043 {S} | 0.043 {S} | 0.043 {S} | {ID} | {ID} |
| Atrazine | 1912249 | 0.003 {A} | 0.003 {A} | 0.0073 {X} | {NLV} | {NLV} | 5.4 | {ID} | {ID} |
| Benzaldehyde | 100527 | - - | - - | - - | - - | - - | - - | - - | - - |
| Benzo(a)anthracene | 56553 | 0.0021 {Q} | 0.0085 {Q} | {ID} | {NLV} | {NLV} | 0.0094 {Q,S,AA} | {ID} | {ID} |
| Benzo(a)pyrene | 50328 | 0.005 {Q,A} | 0.005 {Q,A} | {ID} | {NLV} | {NLV} | 0.001 {Q,M,AA} | {ID} | {ID} |
| Benzo(b)fluoranthene | 205992 | 0.0015 {Q,S,AA} | 0.0015 {Q,S,AA} | {ID} | {ID} | {ID} | 0.0015 {Q,S,AA} | {ID} | {ID} |
| Benzo(g,h,i)perylene | 191242 | 0.001 {M} | 0.001 {M} | {NA} | {NLV} | {NLV} | 0.001 {M,A,A} | {ID} | {ID} |
| Benzo(k)fluoranthene | 207089 | 0.001 {Q} | 0.001 {Q,M} | {NA} | {NLV} | {NLV} | 0.001 {Q,M,AA} | {ID} | {ID} |
| Biphenyl | 92524 | - - | - - | - - | - - | - - | - - | - - | - - |
| bis(2-Chloroethoxy)methane | 111911 | - - | - - | - - | - - | - - | - - | - - | - - |
| bis(2-Chloroethyl)ether | 111444 | 0.002 {I} | 0.0083 {I} | 0.015 {I,X} | 38 {I} | 210 {I} | 5.7 {I} | 17,000 {I,S} | 17,000 {I,S} |
| bis(2-Ethylhexyl)phthalate | 117817 | 0.006 {A} | 0.006 {A} | 0.032 | {NLV} | {NLV} | 0.32 {AA} | {NA} | 0.34 {S} |
| Butyl benzylphthalate | 85687 | 1.2 | 2.7 {S} | 0.014 {X} | {NLV} | {NLV} | 2.7 {S} | {ID} | {ID} |
| Caprolactam | 105602 | 5.8 | 17 | {NA} | {NLV} | {NLV} | 390,000 | {NA} | 1,000,000 {D} |
| Carbazole | 86748 | 0.085 | 0.35 | 0.01 {M} | {NLV} | {NLV} | 7.4 | {ID} | {ID} |
| Chrysene | 218019 | 0.0016 {S,Q} | 0.0016 {Q,S} | {ID} | {ID} | {ID} | 0.0016 {Q,S,AA} | {ID} | {ID} |
| Dibenz(a,h)anthracene | 53703 | 0.002 {Q,M} | 0.002 {Q,M} | {ID} | {NLV} | {NLV} | 0.002 {Q,M,AA} | {ID} | {ID} |
| Dibenzofuran | 132649 | {ID} | {ID} | 0.004 | {ID} | {ID} | {ID} | {ID} | {ID} |
| Diethyl phthalate | 84662 | 5.5 | 16 | 0.11 | {NLV} | {NLV} | 1,100 {S} | {NA} | {ID} |
| Dimethyl phthalate | 131113 | 73 | 210 | {NA} | {NLV} | {NLV} | 4,200 {S} | {NA} | {ID} |
| Di-n-butylphthalate | 84742 | 0.88 | 2.5 | 0.0097 | {NLV} | {NLV} | 11 {S} | {NA} | {ID} |
| Di-n-octyl phthalate | 117840 | 0.13 | 0.38 | {ID} | {NLV} | {NLV} | 0.4 | {ID} | {ID} |
| Fluoranthene | 206440 | 0.21 {S} | 0.21 {S} | 0.0016 | 0.21 {S} | 0.21 {S} | 0.21 {S} | {ID} | {ID} |
| Fluorene | 86737 | 0.88 | 2 {S} | 0.012 | 2 {S} | 2 {S} | 2 {S} | {ID} | {ID} |
| Hexachlorobenzene | 118741 | 0.001 {A} | 0.001 {A} | 0.0002 {M} | 0.44 | 3 | 0.0046 | {ID} | {ID} |
| Hexachlorobutadiene | 87683 | 0.015 | 0.042 | 0.00005 | 1.6 | 3.2 {S} | 0.4 | {ID} | {ID} |
| Hexachlorocyclopentadiene | 77474 | 0.05 {A} | 0.05 {A} | {ID} | 0.13 | 0.42 | 1.6 | {ID} | {ID} |
| Hexachloroethane | 67721 | 0.0073 | 0.021 | 0.0067 {X} | 27 | 50 {S} | 1.9 | {ID} | {ID} |
| Indeno(1,2,3-cd)pyrene | 193395 | 0.002 {Q,M} | 0.002 {Q,M} | {ID} | {NLV} | {NLV} | 0.002 {Q,M,AA} | {ID} | {ID} |
| Isophorone | 78591 | 0.77 | 3.1 | 0.57 {X} | {NLV} | {NLV} | 990 | {ID} | 12,000 {S} |
| Methylphenols, Total | 1319773 | 0.37 {J} | 1 {J} | 0.071 {J} | {NLV} | {NLV} | 810 {J} | {NA} | {ID} |
| Naphthalene | 91203 | 0.52 | 1.5 | 0.013 | 31 {S} | 31 {S} | 31 {S} | {NA} | 31 {S} |
| Nitrobenzene | 98953 | 0.0034 {I} | 0.0096 {I} | 0.18 {I,X} | 280 {I} | 550 {I} | 11 {I} | {NA} | {ID} |
| N-Nitrosodi-n-propylamine | 621647 | 0.005 {M} | 0.005 {M} | {NA} | {NLV} | {NLV} | 0.36 | {ID} | {ID} |
| N-Nitrosodiphenylamine | 86306 | 0.27 | 1.1 | {NA} | {NLV} | {NLV} | 35 {S} | {ID} | {ID} |
| Pentachlorophenol | 87865 | 0.001 {A} | 0.001 {A} | 0.0028 {G,X} | {NLV} | {NLV} | 0.2 | {ID} | {ID} |

**TABLE C-3**
**MDEQ PART 201 GROUNDWATER CRITERIA**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

(for constituents listed in the Project Analyte List)
(concentrations presented in milligrams per liter)

| | Chemical Abstract Service Number | Residential & Commercial I Drinking Water Criteria (RDW) | Industrial & Commercial II, III & IV Drinking Water Criteria (IDW) | Groundwater Surface Water Interface Criteria (GSI) | Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIA) | Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIA) | Groundwater Contact Criteria (GCC) | Flammability and Explosivity Screening Level (FE) | Acute Inhalation Screening Level (GAI) |
|---|---|---|---|---|---|---|---|---|---|
| **SVOC (Cont'd.)** | | | | | | | | | |
| Phenanthrene | 85018 | 0.052 | 0.15 | 0.0024 | 1 {S} | 1 {S} | 1 {S} | {ID} | {ID} |
| Phenol | 108952 | 4.4 | 13 | 0.21 | {NLV} | {NLV} | 29,000 | {NA} | {ID} |
| Pyrene | 129000 | 0.14 {S} | 0.14 {S} | {ID} | 0.14 {S} | 0.14 {S} | 0.14 {S} | {ID} | {ID} |
| **PCB** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) | 12674112 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1221 (PCB-1221) | 11104282 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1232 (PCB-1232) | 11141165 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1242 (PCB-1242) | 53469219 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1248 (PCB-1248) | 12672296 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1254 (PCB-1254) | 11097691 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1260 (PCB-1260) | 11096825 | - - | - - | - - | - - | - - | - - | - - | - - |
| Total PCBs | 1336363 | 0.0005 {J,T,A} | 0.0005 {J,T,A} | 0.0002 {J,T,M} | 0.045 {J,T,S} | 0.045 {J,T,S} | 0.0033 {J,T,AA} | {ID} | {ID} |
| **PCB-Dissolved** | | | | | | | | | |
| Aroclor-1016 (PCB-1016) (Dissolved) | 12674112 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1221 (PCB-1221) (Dissolved) | 11104282 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1232 (PCB-1232) (Dissolved) | 11141165 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1242 (PCB-1242) (Dissolved) | 53469219 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1248 (PCB-1248) (Dissolved) | 12672296 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1254 (PCB-1254) (Dissolved) | 11097691 | - - | - - | - - | - - | - - | - - | - - | - - |
| Aroclor-1260 (PCB-1260) (Dissolved) | 11096825 | - - | - - | - - | - - | - - | - - | - - | - - |
| Total PCBs (Dissolved) | 1336363 | 0.0005 {J,T,A} | 0.0005 {J,T,A} | 0.0002 {J,T,M} | 0.045 {J,T,S} | 0.045 {J,T,S} | 0.0033 {J,T,AA} | {ID} | {ID} |
| **Inorganic** | | | | | | | | | |
| Antimony | 7440360 | 0.006 {A} | 0.006 {A} | 0.13 {X} | {NLV} | {NLV} | 68 | {ID} | {ID} |
| Arsenic | 7440382 | 0.05 {A} | 0.05 {A} | 0.15 {X} | {NLV} | {NLV} | 4.3 | {ID} | {ID} |
| Barium | 7440393 | 2 {B,A} | 2 {B,A} | 1.308 {B,G,X} | {NLV} | {NLV} | 14,000 {B} | {ID} | {ID} |
| Beryllium | 7440417 | 0.004 {A} | 0.004 {A} | 0.0323 {G} | {NLV} | {NLV} | 290 | {ID} | {ID} |
| Cadmium | 7440439 | 0.005 {B,A} | 0.005 {B,A} | 0.0048 {B,G,X} | {NLV} | {NLV} | 190 {B} | {ID} | {ID} |
| Chromium Total | 7440473 | 0.1 {A} | 0.1 {A} | 0.011 | {NLV} | {NLV} | 460 | {ID} | {ID} |
| Cobalt | 7440484 | 0.04 | 0.1 | 0.1 | {NLV} | {NLV} | 2,400 | {ID} | {ID} |
| Copper | 7440508 | 1.4 {B,E} | 4 {B,E} | 0.0216 {B,G} | {NLV} | {NLV} | 7,400 {B} | {ID} | {ID} |
| Cyanide (total) | 57125 | 0.2 {P,R,A} | 0.2 {P,R,A} | 0.0052 {P,R} | {NLV} | {NLV} | 57 {P,R} | {ID} | {ID} |
| Lead | 7439921 | 0.004 {B,L} | 0.004 {B,L} | 0.0309 {B,G,X} | {NLV} | {NLV} | {ID} | {ID} | {ID} |
| Manganese | 7439965 | 0.86 {B,E} | 2.5 {B,E} | 4.767 {B,G,X} | {NLV} | {NLV} | 9,100 {B} | {ID} | {ID} |
| Mercury | 7439976 | 0.002 {B,Z,A} | 0.002 {A,B,Z} | 0.0000013 {B,Z} | 0.056 {B,Z,S} | 0.056 {B,Z,S} | 0.056 {B,Z,S} | {ID} | {ID} |
| Nickel | 7440020 | 0.1 {B,A} | 0.1 {B,A} | 0.1243 {B,G} | {NLV} | {NLV} | 74,000 {B} | {ID} | {ID} |
| Selenium | 7782492 | 0.05 {B,A} | 0.05 {B,A} | 0.005 {B} | {NLV} | {NLV} | 970 {B} | {ID} | {ID} |
| Silver | 7440224 | 0.034 {B} | 0.098 {B} | 0.0002 {B,M} | {NLV} | {NLV} | 1,500 {B} | {ID} | {ID} |

**TABLE C-3**
**MDEQ PART 201 GROUNDWATER CRITERIA**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

(for constituents listed in the Project Analyte List)
(concentrations presented in milligrams per liter)

| | Chemical Abstract Service Number | Residential & Commercial I Drinking Water Criteria (RDW) | Industrial & Commercial II, III & IV Drinking Water Criteria (IDW) | Groundwater Surface Water Interface Criteria (GSI) | Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RGVIA) | Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIA) | Groundwater Contact Criteria (GCC) | Flammability and Explosivity Screening Level (FE) | Acute Inhalation Screening Level (GAI) |
|---|---|---|---|---|---|---|---|---|---|
| **norganic (Cont'd.)** | | | | | | | | | |
| Thallium | 7440280 | 0.002 {B,A} | 0.002 {B,A} | 0.0037 {B,I, X} | {NLV} | {NLV} | 13 {B} | {ID} | {ID} |
| Vanadium | 7440622 | 0.0045 | 0.062 | 0.012 | {NLV} | {NLV} | 970 | {ID} | {ID} |
| Zinc | 7440666 | 2.4 {B} | 5 {B,E} | 0.2827 {B,G} | {NLV} | {NLV} | 110,000 {B} | {ID} | {ID} |
| **norganic-Dissolved** | | | | | | | | | |
| Antimony (Dissolved) | 7440360 | 0.006 {A} | 0.006 {A} | 0.13 {X} | {NLV} | {NLV} | 68 | {ID} | {ID} |
| Arsenic (Dissolved) | 7440382 | 0.05 {A} | 0.05 {A} | 0.15 {X} | {NLV} | {NLV} | 4.3 | {ID} | {ID} |
| Barium (Dissolved) | 7440393 | 2 {B,A} | 2 {B,A} | 1.308 {B,G,X} | {NLV} | {NLV} | 14,000 {B} | {ID} | {ID} |
| Beryllium (Dissolved) | 7440417 | 0.004 {A} | 0.004 {A} | 0.0323 {G} | {NLV} | {NLV} | 290 | {ID} | {ID} |
| Cadmium (Dissolved) | 7440439 | 0.005 {B,A} | 0.005 {B,A} | 0.0048 {B,G,X} | {NLV} | {NLV} | 190 {B} | {ID} | {ID} |
| Chromium Total (Dissolved) | 7440473 | 0.1 {A} | 0.1 {A} | 0.011 | {NLV} | {NLV} | 460 | {ID} | {ID} |
| Cobalt (Dissolved) | 7440484 | 0.04 | 0.1 | 0.1 | {NLV} | {NLV} | 2,400 | {ID} | {ID} |
| Copper (Dissolved) | 7440508 | 1.4 {B,E} | 4 {B,E} | 0.0216 {B,G} | {NLV} | {NLV} | 7,400 {B} | {ID} | {ID} |
| Cyanide (dissolved) | 57125 | 0.2 {P,R,A} | 0.2 {P,R,A} | 0.0052 {P,R} | {NLV} | {NLV} | 57 {P,R} | {ID} | {ID} |
| Lead (Dissolved) | 7439921 | 0.004 {B,L} | 0.004 {B,L} | 0.0309 {B,G,X} | {NLV} | {NLV} | {ID} | {ID} | {ID} |
| Manganese (Dissolved) | 7439965 | 0.86 {B,E} | 2.5 {B,E} | 4.767 {B,G,X} | {NLV} | {NLV} | 9,100 {B} | {ID} | {ID} |
| Mercury (Dissolved) | 7439976 | 0.002 {B,Z,A} | 0.002 {A,B,Z} | 0.0000013 {B,Z} | 0.056 {B,Z,S} | 0.056 {B,Z,S} | 0.056 {B,Z,S} | {ID} | {ID} |
| Nickel (Dissolved) | 7440020 | 0.1 {B,A} | 0.1 {B,A} | 0.1243 {B.G} | {NLV} | {NLV} | 74,000 {B} | {ID} | {ID} |
| Selenium (Dissolved) | 7782492 | 0.05 {B,A} | 0.05 {B,A} | 0.005 {B} | {NLV} | {NLV} | 970 {B} | {ID} | {ID} |
| Silver (Dissolved) | 7440224 | 0.034 {B} | 0.098 {B} | 0.0002 {B,M} | {NLV} | {NLV} | 1,500 {B} | {ID} | {ID} |
| Thallium (Dissolved) | 7440280 | 0.002 {B,A} | 0.002 {B,A} | 0.0037 {B,I, X} | {NLV} | {NLV} | 13 {B} | {ID} | {ID} |
| Vanadium (Dissolved) | 7440622 | 0.0045 | 0.062 | 0.012 | {NLV} | {NLV} | 970 | {ID} | {ID} |
| Zinc (Dissolved) | 7440666 | 2.4 {B} | 5 {B,E} | 0.2827 {B,G} | {NLV} | {NLV} | 110,000 {B} | {ID} | {ID} |

**TABLE C-4**
**NOTES FOR GROUNDWATER ANALYTICAL DATA TABLES**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
**NAO FLINT OPERATIONS SITE - FLINT MICHIGAN**

**General Notes:**

Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. and Merit Laboratories, for analysis of Project Analyte List (PAL) volatile organic compounds, PAL semivolatile organic compounds, polychlorinated biphenyls (PCBs), and PAL inorganics.
Duplicate results are presented in brackets.
Groundwater concentrations are presented in milligram per liter (mg/L).
Total Methylphenols reported as the sum of 2-methylphenol and 3&4-methylphenol.
Total Xylenes reported as the sum of m&p-Xylene and o-Xylene.
Total PCBs reported as the sum of PCB aroclors.
Highlighted cells represent constituent concentrations that exceed at least one of the listed Michigan Part 201 Criteria:

For Groundwater:
RDW = Residential Drinking Water criteria, updated December 2004.
IDW = Industrial Drinking Water criteria, updated December 2004.
GSI = Groundwater/Surface Water Interaction criteria, updated December 2004.
GCC = Groundwater Contact criteria, updated December 2004.
GAI = Groundwater Acute Inhalation Screening Level, updated December 2004.
RGVIA = Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation criteria, updated December 2004.
IGVIA = Industrial & Commercial II, III, & IV Groundwater Volatilization to Indoor Air Inhalation criteria, updated December 2004.
FE = Flammability and Explosivity Screening Level, updated December 2004.

**Data Qualifiers:**

ND = Not detected. The value in parentheses represents the associated detection limit.
NS = Not analyzed for this constituent.
D = Concentration is based on a diluted sample analysis.
J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only
E = Measured concentration exceeded the linear range of the instrument. A diluted sample analysis was run; however, the undiluted result was chosen as representative of the sample concentration.
R = Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data shall not be used for any qualitative or quantitative purposes.
ulf = Sample collected using ultra low flow collection methods

**MDEQ Criteria Qualifiers:**

ID = *Inadequate data* to develop criterion.
NA = Criterion or value is *not available* or, as is the case for Csat, *not applicable*.
NLV = Hazardous substance is *not likely to volatilize* under most conditions.

(A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 pa 399, mcl 325.1005.
(B) Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion.
(C) Value presented is a screening level based on the chemical-specific generic soil saturation concentrationsince the calculated risk-based criterion is greater than Csat. Concentrations greater than Csat are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.
(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).
(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). A notice of aesthetic impact may be employed as an institutional control mechanism if groundwater concentrations exceed the aesthetic drinking water criterion, but do not exceed the applicable health-based drinking water value provided in the following table:

| Hazardous Substance | Chemical Abstract Service Number | Residential Health-Based Drinking Water Value (ug/L) | Industrial-Commercial Health-Based Drinking Water Value (ug/L) |
|---|---|---|---|
| Aluminum | 7429905 | 300 | 4,100 |
| tertiary Amyl methyl ether | 994058 | 910 | 2,600 |
| Copper | 7440508 | 1,400 | 4,000 |
| Diethyl ether | 60297 | 3,700 | 10,000 |
| Ethylbenzene | 100414 | 700 | 700 |
| Iron | 7439896 | 2,000 | 5,600 |
| Manganese | 7439965 | 860 | 2,500 |
| Methyl-tert-butyl ether (MTBE) | 1634044 | 240 | 690 |
| Toluene | 108883 | 1,000 | 1,000 |
| 1,2,4-Trimethylbenzene | 95636 | 1,000 | 2,900 |
| 1,3,5-Trimethylbenzene | 108678 | 1,000 | 2,900 |
| Xylenes | 1330207 | 10,000 | 10,000 |

**MDEQ Criteria Qualifiers (continued):**

(F) Criterion is based on adverse impacts to plant life and phytotoxicity

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO3/L, use 400 mg CaCO3/L for the FCV calculation. The FCV formula provides values in units of ug/L or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

| Hazardous Substance | FCV Formula (ug/L) | FCV Conversion Factor (CF) | WV (ug/L) | HNDV (ug/L) |
|---|---|---|---|---|
| Acetate | 7.0362) | NA | NA | 1.30E+06 |
| Barium[Ä] | EXP(1.0629*(LnH)+1.1869) | NA | NA | 1.60E+05 |
| Beryllium | EXP(2.5279*(LnH)-10.7689) | NA | NA | 1,200 |
| Cadmium[Ä] | (EXP(0.7852*(LnH)-2.715))*CF | 1.101672-((LnH)*(0.041838)) | NA | 130 |
| Chromium (III) [Ä] | (EXP(0.819*(LnH)+0.6848))*CF | 0.86 | NA | 9,400 |
| Copper | (EXP(0.8545*(LnH)-1.702)) *CF | 0.96 | NA | 64,000 |
| Lead[Ä] | (EXP(1.273*(LnH)-3.296))*CF | 1.46203-((LnH)*(0.14571)) | NA | 190 |
| Manganese | EXP(0.8784*(LnH)+3.5199) | NA | NA | 59,000 |
| Nickel | (EXP(0.846*(LnH)+0.0584))*CF | 0.997 | NA | 2.10E+05 |
| Pentachlorophenol[Ä] | EXP(1.005*(pH)-5.134) | NA | NA | 2.8 |
| Zinc | (EXP(0.8473*(LnH)+0.884))*CF | 0.986 | NA | 22,000 |

where,
Ä =The GSI criterion developed here may not be protective for surface water that is used as a drinking water source.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/l. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001),

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(K) Hazardous substance may be flammable or explosive, or both.

(L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(10) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules. The generic residential drinking water criterion of 4 ug/L is linked to the generic residential soil direct contact criterion of 400 mg/kg. A higher concentration in the drinking water, up to the state action level of 15 ug/L, may be allowed as a site-specific remedy and still allow for drinking water use, under Section 20120a(2) of the NREPA if soil concentrations are appropriately lower than 400 mg/kg. If a site-specific criterion is approved based on this subdivision, a notice shall be filed on the deed for all property where the groundwater concentrations will exceed 4 ug/L to provide notice of the potential for unacceptable risk if soil or groundwater concentrations increase. Acceptable combinations of site-specific soil and drinking water concentrations are presented in the following table:

**Acceptable Combinations of Lead in Drinking Water and Soil**

| Drinking Water Concentration (ug/L) | Soil Concentration (mg/kg) |
|---|---|
| 5 | 386-395 |
| 6 | 376-385 |
| 7 | 376-385 |
| 8 | 366-375 |
| 9 | 356-365 |
| 10 | 346-355 |
| 11 | 336-345 |
| 12 | 336-345 |
| 13 | 326-335 |
| 14 | 316-325 |
| 15 | 306-315 |

**TABLE C-4**
**NOTES FOR GROUNDWATER ANALYTICAL DATA TABLES**

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**MDEQ Criteria Qualifiers (continued):**

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.
(P) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial-commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.
(Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.
(R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001)
(S) Criterion defaults to the hazardous substance-specific water solubility limit.
(W) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 ug/L. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.
(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. see formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

| Hazardous Substance | Chemical Abstract Service Number | Surface Water Human Drinking Water Values (HDV) (ug/L) | Soil GSI Protection Criteria (HDV) (ug/L) |
|---|---|---|---|
| Acrylonitrile | 107131 | 2.0 (M); 0.87 | 100 (M); 17 |
| Alachlor | 15972608 | 3.5 | 91 |
| Antimony | 7440360 | 2 | 1,400 |
| Arsenic | 7440382 | 50 | 23,000 |
| Atrazine | 1912249 | 4.3 | 86 |
| Barium | 7440393 | 1,900* | * |
| Benzene | 71432 | 12 | 240 |
| bis(2-Chloroethyl)ether | 111444 | 1 (M); 0.79 | 100 (M); 20 |
| Bromate | 15541454 | 10 (M); 0.5 | 200 (M); 10 |
| Butyl benzyl phthalate | 85687 | 6.9 | 13,000 |
| Cadmium | 7440439 | 2.5* | * |
| Carbon tetrachloride | 56235 | 5.6 | 110 |
| Chloride | 16887006 | 50,000 | 1.00E+06 |
| Chloroform | 67663 | 77 | 1,500 |
| Chromium (III) | 16065831 | 120* | * |
| Cyanazine | 21725462 | 2 (M); 0.93 | 200 (M); 40 |
| 3,3'-Dichlorobenzidine | 91941 | 0.3 (M); 0.14 | 2,000 (M); 7.7 |
| 1,2-Dichloroethane | 107062 | 6 | 120 |
| 1,1-Dichloroethylene | 75354 | 24 | 480 |
| 1,2-Dichloropropane | 78875 | 9.1 | 180 |
| N,N-Dimethylacetamide | 127195 | 700 | 14,000 |
| 1,4-Dioxane | 123911 | 34 | 680 |
| Ethylene dibromide | 106934 | 0.05 (M); 0.006 | 20 (M); 1.0 |
| Ethylene glycol | 107211 | 56,000 | 1.10E+06 |
| Heptachlor | 76448 | 0.01 (M); 0.0017 | NLL |
| beta-Hexachlorocyclohexane | 319857 | 0.024 | 20 (M) |
| Hexachloroethane | 67721 | 5.3 | 310 |
| Isophorone | 78591 | 310 | 6,200 |
| Isopropyl alcohol | 67630 | 28,000 | 5.60E+05 |
| Lead | 7439921 | 14* | * |
| Manganese | 7439965 | 3600 | 72,000 |
| Methyl-tert-butyl ether (MTBE) | 1634044 | 100 | 2,000 |
| Methylene chloride | 75092 | 47 | 940 |
| Mirex | 2385855 | 0.02 (M); 1.6E-5 | NLL |
| Molybdenum | 7439987 | 120 | 2,400 |
| Nitrobenzene | 98953 | 4.7 | 330 (M); 94 |
| Pentachlorophenol | 87865 | 1.8* | * |
| 1,2,4,5-Tetrachlorobenzene | 95943 | 2.8 | 3,300 |
| 1,1,1,2-Tetrachloroethane | 630206 | 19 | 380 |
| 1,1,2,2-Tetrachloroethane | 79345 | 3.2 | 64 |
| Tetrachloroethylene | 127184 | 11 | 220 |
| Tetrahydrofuran | 109999 | 350 | 7,000 |
| Thallium | 7440280 | 2.0 (M); 1.2 | 2,300 |
| 1,1,2-Trichloroethane | 79005 | 12 | 240 |
| Trichloroethylene | 79016 | 29 | 580 |

{AA} = Comparison to these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

**TABLE C-5**
**GROUNDWATER GSI CRITERIA DETERMINATION**
**(See Criteria Footnotes "G" and "X" in Table C-4)**

**RFI PHASE II REPORT**
**GENERAL MOTORS CORPORATION**
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| Inorganic Constituent | LN (Hardness) | FCV Convers. Fact. (CF) | "G" Footnote Comparison | | |
|---|---|---|---|---|---|
| | | | GW FCV (µg/L) | GW WV (µg/L) | GW HNDV (µg/L) |
| Barium (G, X) | 5.63 | NA | 1308 | NA | 160,000 |
| Beryllium (G) | 5.63 | NA | 32 | NA | 1,200 |
| Cadmium (G, X) | 5.63 | 0.856 | 4.7 | NA | 130 |
| Chromium (G, X) | 5.63 | 0.86 | 172 | NA | 9,400 |
| Copper (G) | 5.63 | 0.96 | 22 | NA | 64,000 |
| Lead (G, X) | 5.63 | 0.641 | 31 | NA | 190 |
| Manganese (G, X) | 5.63 | NA | 1307 | NA | 59,000 |
| Nickel (G) | 5.63 | 0.997 | 124 | NA | 215,000 |
| Zinc | 5.63 | 0.986 | 283 | NA | 22,000 |

**Notes:**
Final Chronic Value (FCV) calculations and comparison to Wildlife Value (WV), Human Non-Drinking Water Value (HNDV).

| | |
|---|---|
| Estimated hardness of Flint River: | 280 mg/L |