# Appendix B

# RI Geoprobe, Surface Soil, Surface Water & Diffusion Bags Laboratory Reporting Forms

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP101-2-4 NLS ID: 368374
Ref. Line 1 COC 76406 Soil, NS-SOGP101-2-4 Matrix: SO
Collected: 04/19/05 15:25 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 6.0 | 22 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 76 | mg/Kg DWB | 1 | 0.14 | 0.29 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.88 | mg/Kg DWB | 5 | 0.14 | 0.50 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.77 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 33000 | mg/Kg DWB | 10 | 43 | 86 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.43* | 1.5 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.43 | 1.5 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.8 | mg/Kg DWB | 1 | 0.40 | 1.4 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.17 | 0.63 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 8.0 | 30 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.5] | mg/Kg DWB | 1 | 4.6 | 17 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 43 | 86 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.094 | 0.29 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.0 | 3.6 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 10 | 37 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.41 | 1.5 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 0.94 | 3.4 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.25 | 0.91 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.19 | 0.57 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQ Dup 01-0405 NLS ID: 368375
Ref. Line 2 COC 76406 Soil, NS-SQ Dup 01-0405 Matrix: SO
Collected: 04/19/05 00:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.5 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.98 | 3.5 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 70 | mg/Kg DWB | 1 | 0.18 | 0.36 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.72 | mg/Kg DWB | 5 | 0.18 | 0.63 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.97 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 30000 | mg/Kg DWB | 10 | 54 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 1.2 | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.0 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.21 | 0.79 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 10 | 37 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.8 | 21 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 54 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.5 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 13 | 47 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.31 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 36 | mg/Kg DWB | 1 | 0.24 | 0.72 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP101-6-8 NLS ID: 368376
Ref. Line 3 COC 76406 Soil, NS-SOGP101-6-8 Matrix: SO
Collected: 04/19/05 16:15 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 8.0 | 30 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 96 | mg/Kg DWB | 1 | 0.19 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.75 | mg/Kg DWB | 5 | 0.19 | 0.67 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 34000 | mg/Kg DWB | 10 | 57 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.57* | 2.0 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.57 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.4 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.23 | 0.84 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 11 | 40 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 6.2 | 23 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 57 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.3 | 4.9 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 14 | 50 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.3 | 4.6 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.8 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.5 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.33 | 1.2 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 40 | mg/Kg DWB | 1 | 0.26 | 0.76 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP101-10-12 NLS ID: 368377
Ref. Line 4 COC 76406 Soil, NS-SOGP101-10-12 Matrix: SO
Collected: 04/19/05 16:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6600 | mg/Kg DWB | 1 | 7.4 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 39 | mg/Kg DWB | 1 | 0.18 | 0.35 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.49] | mg/Kg DWB | 5 | 0.18 | 0.62 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 53 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.53* | 1.9 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.53 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 8.2 | mg/Kg DWB | 1 | 0.21 | 0.78 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 14000 | mg/Kg DWB | 10 | 9.9 | 37 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.0] | mg/Kg DWB | 1 | 5.7 | 21 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8100 | mg/Kg DWB | 10 | 53 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 10 | mg/Kg DWB | 1 | 1.2 | 4.5 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1000 | mg/Kg DWB | 1 | 13 | 46 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.2 | 4.2 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 26 | mg/Kg DWB | 1 | 0.31 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 23 | mg/Kg DWB | 1 | 0.24 | 0.71 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

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**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP107-1-3, MS/MSD NLS ID: 368378
Ref. Line 5 COC 76406 Soil, NS-SOGP107-1-3, MS/MSD Matrix: SO
Collected: 04/20/05 07:30 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 750 | mg/Kg DWB | 1 | 6.0 | 22 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/12/05 | SW846 7041 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample were outside of the NLS in-house control limits at 44.9 % and 48.2 % respectively. Problem attributed to sample matrix. All other QC within limits. | | | | | | | |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.86 | 3.1 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 11 | mg/Kg DWB | 1 | 0.14 | 0.29 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.2 | mg/Kg DWB | 2 | 0.057 | 0.20 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.77 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 330 | mg/Kg DWB | 10 | 43 | 86 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 2.9 | mg/Kg DWB | 1 | 0.43* | 1.5 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.14* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 3.1 | mg/Kg DWB | 1 | 0.43 | 1.5 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [0.93] | mg/Kg DWB | 1 | 0.40 | 1.4 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 2.6 | mg/Kg DWB | 1 | 0.17 | 0.63 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.097] | mg/Kg DWB | 1 | 0.097 | 0.29 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4300 | mg/Kg DWB | 10 | 8.0 | 30 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.6 | 17 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 360 | mg/Kg DWB | 10 | 43 | 86 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 43 | mg/Kg DWB | 1 | 0.095 | 0.29 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.082 | 0.29 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [1.5] | mg/Kg DWB | 1 | 1.0 | 3.6 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 120 | mg/Kg DWB | 1 | 10 | 38 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 27 | mg/Kg DWB | 1 | 0.95 | 3.4 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 96.8 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 9.2 | mg/Kg DWB | 1 | 0.25 | 0.92 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 3.8 | mg/Kg DWB | 1 | 0.19 | 0.57 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP107-6-8 NLS ID: 368379
Ref. Line 6 COC 76406 Soil, NS-SOGP107-6-8 Matrix: SO
Collected: 04/20/05 08:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 17000 | mg/Kg DWB | 1 | 6.4 | 24 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 0.93 | 3.3 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 88 | mg/Kg DWB | 1 | 0.15 | 0.30 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.88 | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 22000 | mg/Kg DWB | 10 | 45 | 91 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 31 | mg/Kg DWB | 1 | 0.45* | 1.6 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.19* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 31 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.7 | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.18 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 8.5 | 31 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.1] | mg/Kg DWB | 1 | 4.9 | 18 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 45 | 91 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 21 | mg/Kg DWB | 1 | 1.1 | 3.8 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2500 | mg/Kg DWB | 1 | 11 | 40 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.0 | 3.6 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 40 | mg/Kg DWB | 1 | 0.26 | 0.97 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.20 | 0.61 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP107-10-12 NLS ID: 368380
Ref. Line 7 COC 76406 Soil, NS-SOGP107-10-12 Matrix: SO
Collected: 04/20/05 08:10 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.0 | 26 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 0.99 | 3.5 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 70 | mg/Kg DWB | 1 | 0.17 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.77 | mg/Kg DWB | 5 | 0.17 | 0.59 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 25000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.1 | mg/Kg DWB | 1 | 0.47 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.20 | 0.74 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 9.4 | 35 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.9] | mg/Kg DWB | 1 | 5.4 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 12 | 44 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.2] | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 38 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 38 | mg/Kg DWB | 1 | 0.22 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP110-1-3 NLS ID: 368381
Ref. Line 8 COC 76406 Soil, NS-SOGP110-1-3 Matrix: SO
Collected: 04/20/05 08:30 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 8.8 | 33 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.5] | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 13 | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 74 | mg/Kg DWB | 1 | 0.21 | 0.42 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 10 | 0.42 | 1.5 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.31 | 1.1 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 7400 | mg/Kg DWB | 10 | 63 | 130 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.63* | 2.2 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.63 | 2.2 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.3 | mg/Kg DWB | 1 | 0.59 | 2.1 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 45 | mg/Kg DWB | 1 | 0.25 | 0.92 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.86 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 40000 | mg/Kg DWB | 10 | 12 | 44 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 4000 | mg/Kg DWB | 10 | 68 | 250 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5900 | mg/Kg DWB | 10 | 63 | 130 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.14 | 0.42 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.56 | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 26 | mg/Kg DWB | 1 | 1.5 | 5.3 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 15 | 55 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.7] | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.61 | 2.2 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.4 | 5.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.36 | 1.3 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.28 | 0.84 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88830**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP110-8-10 NLS ID: 368382
Ref. Line 9 COC 76406 Soil, NS-SOGP110-8-10 Matrix: SO
Collected: 04/20/05 09:15 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.0 | 26 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 81 | mg/Kg DWB | 1 | 0.17 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.79 | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 32000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.4 | mg/Kg DWB | 1 | 0.47 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.74 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.14] | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 9.4 | 35 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [15] | mg/Kg DWB | 1 | 5.4 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 340 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.2 | 4.2 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 12 | 44 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.0 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 3.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.6 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 36 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.22 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP110-12-14 NLS ID: 368383
Ref. Line 10 COC 76406 Soil, NS-SOGP110-12-14 Matrix: SO
Collected: 04/20/05 09:25 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 15000 | mg/Kg DWB | 1 | 7.0 | 26 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 85 | mg/Kg DWB | 1 | 0.17 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.62 | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 55000 | mg/Kg DWB | 100 | 500 | 1000 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 30 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 30 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.47 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.20 | 0.73 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 9.4 | 35 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 5.4 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 22 | mg/Kg DWB | 1 | 1.2 | 4.2 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 12 | 44 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 250 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 36 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.22 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQ Dup 02-0405 NLS ID: 368384
Ref. Line 1 COC 76407 Soil, NS-SQ Dup 02-0405 Matrix: SO
Collected: 04/20/05 00:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6200 | mg/Kg DWB | 1 | 8.1 | 30 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 40 | 2.6 | 9.4 | 05/12/05 | SW846 7041 | 721026460 |
| | Digested spikes were outside of control limits. Analytical (post-digest) spikes were performed on the diluted matrix with satisfactory results. | | | | | | | |
| Arsenic, tot. recoverable as As by furnace AAS | 5.6 | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 150 | mg/Kg DWB | 1 | 0.19 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.82 | mg/Kg DWB | 5 | 0.19 | 0.67 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 58 | 120 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | mg/Kg DWB | 1 | 0.58* | 2.0 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 12 | mg/Kg DWB | 1 | 0.58 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.3 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 290 | mg/Kg DWB | 1 | 0.23 | 0.84 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.5 | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 11 | 40 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 150 | mg/Kg DWB | 1 | 6.2 | 23 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3100 | mg/Kg DWB | 10 | 58 | 120 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 360 | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.30] | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.3 | 4.9 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 14 | 50 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.2] | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.3 | 4.6 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 20 | mg/Kg DWB | 1 | 0.33 | 1.2 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 84 | mg/Kg DWB | 1 | 0.26 | 0.77 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP113-1-3 NLS ID: 368385
Ref. Line 2 COC 76407 Soil, NS-SOGP113-1-3 Matrix: SO
Collected: 04/20/05 09:45 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 7.5 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.7] | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.18 | 0.36 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.43] | mg/Kg DWB | 5 | 0.18 | 0.63 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.27] | mg/Kg DWB | 1 | 0.26 | 0.97 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 21000 | mg/Kg DWB | 10 | 54 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 11 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 11 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.1 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 98 | mg/Kg DWB | 1 | 0.21 | 0.79 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.30] | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 10 | 37 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 320 | mg/Kg DWB | 1 | 5.8 | 21 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3800 | mg/Kg DWB | 10 | 54 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 510 | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.14] | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 1.3 | 4.5 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 13 | 47 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.9] | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 800 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.0 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 20 | mg/Kg DWB | 1 | 0.31 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 68 | mg/Kg DWB | 1 | 0.24 | 0.72 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP113-8-10 NLS ID: 368386
Ref. Line 3 COC 76407 Soil, NS-SOGP113-8-10 Matrix: SO
Collected: 04/20/05 10:40 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 10000 | mg/Kg DWB | 1 | 6.8 | 25 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 63 | mg/Kg DWB | 1 | 0.16 | 0.32 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.65 | mg/Kg DWB | 5 | 0.16 | 0.57 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 49 | 97 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.49* | 1.7 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.19 | 0.71 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.1 | 34 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.4] | mg/Kg DWB | 1 | 5.3 | 19 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6600 | mg/Kg DWB | 10 | 49 | 97 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 12 | 43 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 3.9 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 31 | mg/Kg DWB | 1 | 0.22 | 0.65 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP113-12-14 NLS ID: 368387
Ref. Line 4 COC 76407 Soil, NS-SOGP113-12-14 Matrix: SO
Collected: 04/20/05 10:50 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9900 | mg/Kg DWB | 1 | 6.4 | 24 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 56 | mg/Kg DWB | 1 | 0.15 | 0.30 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.58 | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 45 | 91 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.45* | 1.6 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.0 | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.18 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.11] | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 8.5 | 31 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 4.9 | 18 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8200 | mg/Kg DWB | 10 | 45 | 91 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 3.8 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 11 | 40 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.0 | 3.6 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.26 | 0.97 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 33 | mg/Kg DWB | 1 | 0.20 | 0.61 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP116-2-4 NLS ID: 368388
Ref. Line 5 COC 76407 Soil, NS-SOGP116-2-4 Matrix: SO
Collected: 04/20/05 11:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.2 | 27 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 93 | mg/Kg DWB | 1 | 0.17 | 0.34 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.64 | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.35] | mg/Kg DWB | 1 | 0.25 | 0.93 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 32000 | mg/Kg DWB | 10 | 52 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.52* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 2.4 | mg/Kg DWB | 2 | 0.19* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 24 | mg/Kg DWB | 1 | 0.20 | 0.76 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.6 | 36 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 25 | mg/Kg DWB | 1 | 5.6 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8700 | mg/Kg DWB | 10 | 52 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 510 | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.66 | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.2 | 4.4 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 12 | 45 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.7 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.30 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 59 | mg/Kg DWB | 1 | 0.23 | 0.69 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP116-8-10 NLS ID: 368389
Ref. Line 6 COC 76407 Soil, NS-SOGP116-8-10 Matrix: SO
Collected: 04/20/05 11:40 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9700 | mg/Kg DWB | 1 | 6.6 | 24 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.99 | 3.5 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.79 | 2.8 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 66 | mg/Kg DWB | 1 | 0.16 | 0.31 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.52] | mg/Kg DWB | 5 | 0.16 | 0.55 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 47 | 94 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.47* | 1.7 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.9 | mg/Kg DWB | 1 | 0.44 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.19 | 0.69 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 8.8 | 33 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.0] | mg/Kg DWB | 1 | 5.1 | 19 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8200 | mg/Kg DWB | 10 | 47 | 94 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 240 | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 11 | 41 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.92 | 3.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.0 | 3.8 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.27 | 1.0 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.21 | 0.63 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP116-14-16 NLS ID: 368390
Ref. Line 7 COC 76407 Soil, NS-SOGP116-14-16 Matrix: SO
Collected: 04/20/05 11:50 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.9 | 29 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.19 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.51] | mg/Kg DWB | 5 | 0.19 | 0.66 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 56 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.25 | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.53 | 1.8 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 14 | mg/Kg DWB | 1 | 0.22 | 0.83 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 11 | 39 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 6.1 | 22 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5900 | mg/Kg DWB | 10 | 56 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.12 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.3 | 4.8 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 14 | 49 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.7 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 94 | mg/Kg DWB | 1 | 1.2 | 4.5 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.8 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.33 | 1.2 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 81 | mg/Kg DWB | 1 | 0.25 | 0.75 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88830**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP108-1-3 NLS ID: 368391
Ref. Line 8 COC 76407 Soil, NS-SOGP108-1-3 Matrix: SO
Collected: 04/20/05 12:10 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6100 | mg/Kg DWB | 1 | 7.0 | 26 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 7.6 | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.17 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.90 | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 50 | 99 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 11 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 11 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.6 | mg/Kg DWB | 1 | 0.46 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 94 | mg/Kg DWB | 1 | 0.20 | 0.73 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.24] | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 9.3 | 34 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 140 | mg/Kg DWB | 1 | 5.4 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3700 | mg/Kg DWB | 10 | 50 | 99 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.84 | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.2 | 4.2 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 43 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.4] | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 95 | mg/Kg DWB | 1 | 0.22 | 0.66 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP108-8-10 NLS ID: 368392
Ref. Line 9 COC 76407 Soil, NS-SOGP108-8-10 Matrix: SO
Collected: 04/20/05 12:30 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 10 | 37 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.2 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 68 | mg/Kg DWB | 1 | 0.24 | 0.48 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.45] | mg/Kg DWB | 5 | 0.24 | 0.84 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.35 | 1.3 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 23000 | mg/Kg DWB | 10 | 72 | 140 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWB | 1 | 0.72* | 2.5 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.22* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.72 | 2.5 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.4 | mg/Kg DWB | 1 | 0.67 | 2.3 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.28 | 1.1 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.27] | mg/Kg DWB | 1 | 0.15 | 0.44 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 13 | 50 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 7.7 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8100 | mg/Kg DWB | 10 | 72 | 140 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.16 | 0.48 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.40 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.7 | 6.1 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 17 | 63 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.1] | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.69 | 2.5 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.6 | 5.7 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 69.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.3 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.32 | 0.96 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP108-13-15 NLS ID: 368393
Ref. Line 10 COC 76407 Soil, NS-SOGP108-13-15 Matrix: SO
Collected: 04/20/05 13:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 6.7 | 25 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 85 | mg/Kg DWB | 1 | 0.16 | 0.32 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.74 | mg/Kg DWB | 5 | 0.16 | 0.56 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 69000 | mg/Kg DWB | 100 | 480 | 960 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.48* | 1.7 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.19* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.3 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.19 | 0.70 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.14] | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.0 | 33 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.5] | mg/Kg DWB | 1 | 5.2 | 19 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 48 | 96 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 12 | 42 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 210 | mg/Kg DWB | 1 | 1.1 | 3.8 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 77.8 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.21 | 0.64 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP111-2-4 NLS ID: 368394
Ref. Line 1 COC 76408 Soil, NS-SOGP111-2-4 Matrix: SO
Collected: 04/20/05 13:15 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8400 | mg/Kg DWB | 1 | 7.8 | 29 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.4 | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 190 | mg/Kg DWB | 1 | 0.19 | 0.37 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.56] | mg/Kg DWB | 5 | 0.19 | 0.65 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.33] | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 35000 | mg/Kg DWB | 10 | 56 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.1 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 140 | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 13000 | mg/Kg DWB | 10 | 10 | 39 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 300 | mg/Kg DWB | 1 | 6.0 | 22 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4900 | mg/Kg DWB | 10 | 56 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 1100 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.3 | 4.7 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2900 | mg/Kg DWB | 1 | 13 | 49 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 330 | mg/Kg DWB | 1 | 1.2 | 4.5 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 23 | mg/Kg DWB | 1 | 0.32 | 1.2 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.25 | 0.75 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP111-8-10 NLS ID: 368395
Ref. Line 2 COC 76408 Soil, NS-SOGP111-8-10 Matrix: SO
Collected: 04/20/05 14:20 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 5.6 | 21 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 0.94 | 3.3 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 79 | mg/Kg DWB | 1 | 0.13 | 0.27 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.86] | mg/Kg DWB | 10 | 0.27 | 0.94 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.72 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 52000 | mg/Kg DWB | 100 | 400 | 800 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.40* | 1.4 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.40 | 1.4 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.3 | mg/Kg DWB | 1 | 0.38 | 1.3 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.16 | 0.59 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 7.5 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 4.3 | 16 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 40 | 80 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 390 | mg/Kg DWB | 1 | 0.088 | 0.27 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 0.94 | 3.4 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 9.6 | 35 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 0.88 | 3.2 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.23 | 0.86 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.18 | 0.54 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP111-13-15 NLS ID: 368396
Ref. Line 3 COC 76408 Soil, NS-SOGP111-13-15 Matrix: SO
Collected: 04/20/05 14:10 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 19000 | mg/Kg DWB | 1 | 6.6 | 24 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.16 | 0.31 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.60] | mg/Kg DWB | 10 | 0.31 | 1.1 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 45000 | mg/Kg DWB | 10 | 47 | 94 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 34 | mg/Kg DWB | 1 | 0.47* | 1.7 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.19* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 34 | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.9 | mg/Kg DWB | 1 | 0.44 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 22 | mg/Kg DWB | 1 | 0.18 | 0.69 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 8.8 | 33 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.1 | 18 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 47 | 94 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2500 | mg/Kg DWB | 1 | 11 | 41 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 250 | mg/Kg DWB | 1 | 1.0 | 3.8 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 77.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 41 | mg/Kg DWB | 1 | 0.27 | 1.0 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 42 | mg/Kg DWB | 1 | 0.21 | 0.63 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NS-SQ MeOH Blank 2-0405 NLS ID: 368397
Ref. Line 5 COC 76408 NS-SQ MeOH Blank 2-0405 Matrix: TB
Collected: 04/20/05 00:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88830**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368374 Soil, NS-SOGP101-2-4 Collected: 04/19/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [96] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | [45] | ug/Kg | 1 | 31 | 100 |
| Anthracene | [100] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 110 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [88] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [100] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [53] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [110] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [42] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 310 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 110 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [40] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [40] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 470 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 350 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [64] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 52% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 61% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368375 Soil, NS-SQ Dup 01-0405 Collected: 04/19/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [75] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [48] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368376 Soil, NS-SOGP101-6-8 Collected: 04/19/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [1300] | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [1000] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | [2300] | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | 2500 | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | 2500 | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | 2500 | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | [1500] | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | [870] | ug/Kg | 20 | 760 | 2500 |
| Chrysene | 2400 | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | 2500 | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 8200 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 2600 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | [1100] | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 2500 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 4000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 22000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 13000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 7800 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1600] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 70% | | | | |
| Phenol-d5 (SURR**) | 72% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 57% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368377 Soil, NS-SOGP101-10-12 Collected: 04/19/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [92] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368378 Soil, NS-SOGP107-1-3, MS/MSD Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368379 Soil, NS-SOGP107-6-8 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [2400] | ug/Kg | 25 | 810 | 2700 |
| Acenaphthylene | 10000 | ug/Kg | 25 | 770 | 2600 |
| Anthracene | 4000 | ug/Kg | 25 | 960 | 3200 |
| Benzo[a]anthracene | [1900] | ug/Kg | 25 | 860 | 2900 |
| Benzo[a]pyrene | [1400] | ug/Kg | 25 | 850 | 2800 |
| Benzo[b]fluoranthene | [1200] | ug/Kg | 25 | 940 | 3100 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 25 | 810 | 2700 |
| Benzo[k]fluoranthene | ND | ug/Kg | 25 | 950 | 3200 |
| Chrysene | [1700] | ug/Kg | 25 | 890 | 3000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 25 | 850 | 2800 |
| Dibenzofuran | [1900] | ug/Kg | 25 | 790 | 2600 |
| Fluoranthene | 4200 | ug/Kg | 25 | 940 | 3100 |
| Fluorene | 5900 | ug/Kg | 25 | 810 | 2700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 25 | 780 | 2600 |
| 1-Methylnaphthalene | 24000 | ug/Kg | 25 | 790 | 2600 |
| 2-Methylnaphthalene | 35000 | ug/Kg | 25 | 780 | 2600 |
| 2-Methylphenol | ND | ug/Kg | 25 | 650 | 2200 |
| 3 & 4-Methylphenol | ND | ug/Kg | 25 | 1400 | 4800 |
| Naphthalene | 40000 | ug/Kg | 25 | 770 | 2600 |
| Phenanthrene | 14000 | ug/Kg | 25 | 920 | 3100 |
| Phenol | ND | ug/Kg | 25 | 700 | 2300 |
| Pyrene | 5500 | ug/Kg | 25 | 890 | 3000 |
| Benzo[e]pyrene | ND | ug/Kg | 25 | 950 | 3200 |
| 2-Fluorophenol (SURR**) | 78% | | | | |
| Phenol-d5 (SURR**) | 79% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 84% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368380 Soil, NS-SOGP107-10-12 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 3900 | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | [670] | ug/Kg | 10 | 310 | 1000 |
| Anthracene | 1700 | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [840] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [620] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [510] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [740] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | [810] | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 1800 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 2400 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 9600 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 14000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 15000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 6100 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 2400 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 81% | | | | |
| Phenol-d5 (SURR**) | 80% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 88% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368381 Soil, NS-SOGP110-1-3 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 20000 | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | 18000 | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | 19000 | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | 28000 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | 35000 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | 37000 | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | 11000 | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | 15000 | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | 27000 | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | [3800] | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | 9600 | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | 40000 | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | 24000 | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | 7700 | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | 55000 | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | 53000 | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | 18000 | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | 57000 | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 63000 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | 20000 | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 82% | | | | |
| Phenol-d5 (SURR**) | 83% | | | | |
| Nitrobenzene-d5 (SURR**) | 84% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 100% | | | | |
| Terphenyl-d14 (SURR**) | 102% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368382 Soil, NS-SOGP110-8-10 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [12000] | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | 40000 | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | [17000] | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | [9600] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | ND | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | ND | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | ND | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | [19000] | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | [20000] | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | 75000 | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | 130000 | ug/Kg | 200 | 6200 | 21000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | 280000 | ug/Kg | 200 | 6100 | 20000 |
| Phenanthrene | 61000 | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 31000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | ND | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 77% | | | | |
| Phenol-d5 (SURR**) | 83% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 94% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 43% | | | | |
| Terphenyl-d14 (SURR**) | 93% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368383 Soil, NS-SOGP110-12-14 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 4100 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | 2700 | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 2600 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | [1500] | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1700] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1400] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [1500] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 3700 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 2900 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 7000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 11000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 28000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 12000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 6500 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1100] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 167% | | | | |

10 mL final extract volume.
Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368384 Soil, NS-SQ Dup 02-0405 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 1100 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [830] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 2100 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 4900 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 5600 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | 4100 | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [1200] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 3000 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | [800] | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 2200 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | 2400 | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | [510] | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | [700] | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 1000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 2100 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 4600 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 5800 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 78% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 104% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368385 Soil, NS-SOGP113-1-3 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 1400 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [1100] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 2900 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 7800 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 8800 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | 4700 | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | 2100 | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 4400 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 3100 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | [400] | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | 2700 | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | [510] | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | [700] | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | [960] | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 2100 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 7300 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 8300 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 82% | | | | |
| Phenol-d5 (SURR**) | 85% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368386 Soil, NS-SOGP113-8-10 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 1000 | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | [89] | ug/Kg | 2 | 61 | 200 |
| Anthracene | 430 | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 260 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 290 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [240] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [88] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | 260 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 570 | ug/Kg | 2 | 75 | 250 |
| Fluorene | 440 | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | 990 | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | 1500 | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | 2900 | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 1700 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 1000 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [170] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368387 Soil, NS-SOGP113-12-14 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [64] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 260 | ug/Kg | 1 | 31 | 100 |
| Anthracene | 130 | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [62] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [45] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [56] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [62] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 140 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 190 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 490 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 720 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | [68] | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | [170] | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 720 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 500 | ug/Kg | 1 | 37 | 120 |
| Phenol | 280 | ug/Kg | 1 | 28 | 94 |
| Pyrene | 190 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recovery for Benzo[a]pyrene was outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368388 Soil, NS-SOGP116-2-4 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 200 | ug/Kg | 1 | 31 | 100 |
| Anthracene | [85] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 430 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 1300 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 1100 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | 640 | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | 420 | ug/Kg | 1 | 38 | 130 |
| Chrysene | 650 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | 140 | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 440 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | 350 | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 230 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 190 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 1400 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 220 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 840 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | 1100 | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 53% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 65% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 51% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368389 Soil, NS-SOGP116-8-10 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 100 | 3200 | 11000 |
| Acenaphthylene | 29000 | ug/Kg | 100 | 3100 | 10000 |
| Anthracene | [8100] | ug/Kg | 100 | 3800 | 13000 |
| Benzo[a]anthracene | [4200] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[a]pyrene | ND | ug/Kg | 100 | 3400 | 11000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 100 | 3300 | 11000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Chrysene | ND | ug/Kg | 100 | 3600 | 12000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 100 | 3400 | 11000 |
| Dibenzofuran | [4000] | ug/Kg | 100 | 3200 | 11000 |
| Fluoranthene | [8700] | ug/Kg | 100 | 3700 | 12000 |
| Fluorene | 11000 | ug/Kg | 100 | 3200 | 11000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 100 | 3100 | 10000 |
| 1-Methylnaphthalene | 61000 | ug/Kg | 100 | 3200 | 11000 |
| 2-Methylnaphthalene | 96000 | ug/Kg | 100 | 3100 | 10000 |
| 2-Methylphenol | ND | ug/Kg | 100 | 2600 | 8700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 100 | 5500 | 19000 |
| Naphthalene | 120000 | ug/Kg | 100 | 3100 | 10000 |
| Phenanthrene | 25000 | ug/Kg | 100 | 3700 | 12000 |
| Phenol | ND | ug/Kg | 100 | 2800 | 9400 |
| Pyrene | 12000 | ug/Kg | 100 | 3600 | 12000 |
| Benzo[e]pyrene | ND | ug/Kg | 100 | 3800 | 13000 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 73% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 55% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368390 Soil, NS-SOGP116-14-16 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 940 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | [55] | ug/Kg | 1 | 31 | 100 |
| Anthracene | [72] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [91] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | 270 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 1500 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 2200 | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | [44] | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | [71] | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 4600 | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | 400 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368391 Soil, NS-SOGP108-1-3 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | [710] | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [970] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 2600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 2600 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | 2400 | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [1000] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1300 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [650] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | 1200 | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | ND | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1800 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 2800 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 57% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368392 Soil, NS-SOGP108-8-10 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 59000 | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | ND | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | [20000] | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | [11000] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | [11000] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | ND | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | ND | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | 25000 | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | 23000 | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | 87000 | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | 62000 | ug/Kg | 200 | 6200 | 21000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | 230000 | ug/Kg | 200 | 6100 | 20000 |
| Phenanthrene | 76000 | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 40000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | ND | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 108% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 51% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

Matrix spike recovery for Benzo[a]pyrene was outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368393 Soil, NS-SOGP108-13-15 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 130 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | [56] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [86] | ug/Kg | 1 | 37 | 120 |
| Fluorene | [63] | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 130 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 110 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 300 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 240 | ug/Kg | 1 | 37 | 120 |
| Phenol | 180 | ug/Kg | 1 | 28 | 94 |
| Pyrene | 140 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 58% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368394 Soil, NS-SOGP111-2-4 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 41000 | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | 32000 | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | 66000 | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | 83000 | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | 61000 | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | 67000 | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | [13000] | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | [21000] | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | 74000 | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | [9400] | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | 160000 | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | 48000 | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | [8800] | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | 60000 | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | 21000 | ug/Kg | 200 | 6200 | 21000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | [11000] | ug/Kg | 200 | 6100 | 20000 |
| Phenanthrene | 52000 | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 220000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | 31000 | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 73% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 48% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368395 Soil, NS-SOGP111-8-10 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 10000 | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | ND | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | [3600] | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | [2200] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | ND | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | ND | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | ND | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | [4300] | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | [4000] | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | 15000 | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | 25000 | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | 47000 | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | 13000 | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 7200 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | ND | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 70% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 49% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

Sample: 368396 Soil, NS-SOGP111-13-15 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 1300 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [740] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [880] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | [640] | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 1300 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 1900 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 8800 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 2900 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1600 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 59% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368374 Soil, NS-SOGP101-2-4 Collected: 04/19/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [24] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample: 368375 Soil, NS-SQ Dup 01-0405 Collected: 04/19/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [55] | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | ND | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | ND | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | [44] | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | ND | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 112% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample was diluted due to non-target compounds.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368376 Soil, NS-SOGP101-6-8 Collected: 04/19/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 460 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [37] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 49 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 110 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [45] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [62] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample: 368377 Soil, NS-SOGP101-10-12 Collected: 04/19/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 57 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample: 368378 Soil, NS-SOGP107-1-3, MS/MSD Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 170 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368379 Soil, NS-SOGP107-6-8 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2100 | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 5700 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 2500 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | 3300 | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 4300 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 1200 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 4800 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample was diluted due to high level of Naphthalene.

Sample: 368380 Soil, NS-SOGP107-10-12 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1400 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 490 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 220 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 590 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 260 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | [73] | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 430 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368381 Soil, NS-SOGP110-1-3 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 25000 | ug/kg | 12.5 | 190 | 630 |
| sec-Butylbenzene | ND | ug/kg | 12.5 | 240 | 800 |
| Ethylbenzene | 7900 | ug/kg | 12.5 | 190 | 640 |
| ortho-Xylene | 6300 | ug/kg | 12.5 | 160 | 530 |
| Styrene | ND | ug/kg | 12.5 | 220 | 720 |
| Toluene | 1800 | ug/kg | 12.5 | 130 | 420 |
| 1,2,4-Trimethylbenzene | 8700 | ug/kg | 12.5 | 180 | 610 |
| 1,3,5-Trimethylbenzene | 3100 | ug/kg | 12.5 | 210 | 680 |
| meta,para-Xylene | 8000 | ug/kg | 12.5 | 310 | 1100 |
| 1,2,3-Trimethylbenzene | 4200 | ug/kg | 12.5 | 240 | 790 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample: 368382 Soil, NS-SOGP110-8-10 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5600 | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 5800 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 2100 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | 4600 | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 2800 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | [930] | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 4400 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | [900] | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368383 Soil, NS-SOGP110-12-14 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 8100 | ug/kg | 8 | 120 | 410 |
| sec-Butylbenzene | ND | ug/kg | 8 | 150 | 510 |
| Ethylbenzene | 3300 | ug/kg | 8 | 120 | 410 |
| ortho-Xylene | 910 | ug/kg | 8 | 100 | 340 |
| Styrene | ND | ug/kg | 8 | 140 | 460 |
| Toluene | 3200 | ug/kg | 8 | 84 | 270 |
| 1,2,4-Trimethylbenzene | 930 | ug/kg | 8 | 120 | 390 |
| 1,3,5-Trimethylbenzene | [400] | ug/kg | 8 | 130 | 440 |
| meta,para-Xylene | 2200 | ug/kg | 8 | 200 | 710 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 8 | 150 | 500 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

Sample: 368384 Soil, NS-SQ Dup 02-0405 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1500 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 190 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 130 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 200 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 130 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [50] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 190 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | [54] | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368385 Soil, NS-SOGP113-1-3 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5200 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 620 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 160 | ug/kg | 1 | 13 | 42 |
| Styrene | [23] | ug/kg | 1 | 17 | 58 |
| Toluene | 230 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 130 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | 74 | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 200 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | [56] | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 118% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 118% | | | | |

Surrogate recovery for Dibromofluoromethane was outside in-house QC limits.

Sample: 368386 Soil, NS-SOGP113-8-10 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1800 | ug/kg | 2.5 | 38 | 130 |
| sec-Butylbenzene | ND | ug/kg | 2.5 | 48 | 160 |
| Ethylbenzene | 1400 | ug/kg | 2.5 | 39 | 130 |
| ortho-Xylene | 580 | ug/kg | 2.5 | 32 | 110 |
| Styrene | ND | ug/kg | 2.5 | 43 | 140 |
| Toluene | 2700 | ug/kg | 2.5 | 26 | 84 |
| 1,2,4-Trimethylbenzene | 990 | ug/kg | 2.5 | 37 | 120 |
| 1,3,5-Trimethylbenzene | 500 | ug/kg | 2.5 | 41 | 140 |
| meta,para-Xylene | 1600 | ug/kg | 2.5 | 63 | 220 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2.5 | 47 | 160 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368387 Soil, NS-SOGP113-12-14 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6300 | ug/kg | 4 | 61 | 200 |
| sec-Butylbenzene | ND | ug/kg | 4 | 77 | 260 |
| Ethylbenzene | 1000 | ug/kg | 4 | 62 | 210 |
| ortho-Xylene | 380 | ug/kg | 4 | 51 | 170 |
| Styrene | [140] | ug/kg | 4 | 69 | 230 |
| Toluene | 2000 | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | 490 | ug/kg | 4 | 59 | 200 |
| 1,3,5-Trimethylbenzene | [150] | ug/kg | 4 | 66 | 220 |
| meta,para-Xylene | 840 | ug/kg | 4 | 100 | 360 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 4 | 76 | 250 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample: 368388 Soil, NS-SOGP116-2-4 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2700 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 1600 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 1400 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 130 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 1200 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 290 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 3100 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 370 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368389 Soil, NS-SOGP116-8-10 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 14000 | ug/kg | 100 | 1500 | 5100 |
| sec-Butylbenzene | ND | ug/kg | 100 | 1900 | 6400 |
| Ethylbenzene | 13000 | ug/kg | 100 | 1500 | 5200 |
| ortho-Xylene | 11000 | ug/kg | 100 | 1300 | 4200 |
| Styrene | 13000 | ug/kg | 100 | 1700 | 5800 |
| Toluene | 31000 | ug/kg | 100 | 1100 | 3400 |
| 1,2,4-Trimethylbenzene | 18000 | ug/kg | 100 | 1500 | 4900 |
| 1,3,5-Trimethylbenzene | [5300] | ug/kg | 100 | 1600 | 5500 |
| meta,para-Xylene | 24000 | ug/kg | 100 | 2500 | 8900 |
| 1,2,3-Trimethylbenzene | [6000] | ug/kg | 100 | 1900 | 6300 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

Sample was diluted due to high level of Naphthalene.

Sample: 368390 Soil, NS-SOGP116-14-16 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2800 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | 4200 | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | 1600 | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 2700 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 1700 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 490 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | 3400 | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | 560 | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368391 Soil, NS-SOGP108-1-3 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [23] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 1500 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [25] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [42] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample: 368392 Soil, NS-SOGP108-8-10 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3300 | ug/kg | 25 | 380 | 1300 |
| sec-Butylbenzene | ND | ug/kg | 25 | 480 | 1600 |
| Ethylbenzene | 20000 | ug/kg | 25 | 390 | 1300 |
| ortho-Xylene | 9000 | ug/kg | 25 | 320 | 1100 |
| Styrene | ND | ug/kg | 25 | 430 | 1400 |
| Toluene | [520] | ug/kg | 25 | 260 | 840 |
| 1,2,4-Trimethylbenzene | 16000 | ug/kg | 25 | 370 | 1200 |
| 1,3,5-Trimethylbenzene | 5200 | ug/kg | 25 | 410 | 1400 |
| meta,para-Xylene | 5600 | ug/kg | 25 | 630 | 2200 |
| 1,2,3-Trimethylbenzene | 6000 | ug/kg | 25 | 470 | 1600 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368393 Soil, NS-SOGP108-13-15 Collected: 04/20/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3500 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 370 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 100 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | [43] | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | [92] | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | [60] | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | [110] | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample: 368394 Soil, NS-SOGP111-2-4 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2100 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 1000 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 610 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 350 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 860 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 290 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 710 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 460 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368395 Soil, NS-SOGP111-8-10 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7800 | ug/kg | 25 | 380 | 1300 |
| sec-Butylbenzene | ND | ug/kg | 25 | 480 | 1600 |
| Ethylbenzene | 21000 | ug/kg | 25 | 390 | 1300 |
| ortho-Xylene | 8800 | ug/kg | 25 | 320 | 1100 |
| Styrene | ND | ug/kg | 25 | 430 | 1400 |
| Toluene | 9600 | ug/kg | 25 | 260 | 840 |
| 1,2,4-Trimethylbenzene | 14000 | ug/kg | 25 | 370 | 1200 |
| 1,3,5-Trimethylbenzene | 4600 | ug/kg | 25 | 410 | 1400 |
| meta,para-Xylene | 16000 | ug/kg | 25 | 630 | 2200 |
| 1,2,3-Trimethylbenzene | 4400 | ug/kg | 25 | 470 | 1600 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample was diluted due to high level of Naphthalene.

Sample: 368396 Soil, NS-SOGP111-13-15 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6000 | ug/kg | 4 | 61 | 200 |
| sec-Butylbenzene | ND | ug/kg | 4 | 77 | 260 |
| Ethylbenzene | 460 | ug/kg | 4 | 62 | 210 |
| ortho-Xylene | [150] | ug/kg | 4 | 51 | 170 |
| Styrene | ND | ug/kg | 4 | 69 | 230 |
| Toluene | 1200 | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | 200 | ug/kg | 4 | 59 | 200 |
| 1,3,5-Trimethylbenzene | [120] | ug/kg | 4 | 66 | 220 |
| meta,para-Xylene | 490 | ug/kg | 4 | 100 | 360 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 4 | 76 | 250 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

Sample: 368397 NS-SQ MeOH Blank 2-0405 Collected: 04/20/05 Analyzed: 04/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP106-3-4 NLS ID: 368233
Ref. Line 1 COC 76404 Soil, NS-SOGP106-3-4 Matrix: SO
Collected: 04/19/05 08:30 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2800 | mg/Kg DWB | 1 | 8.0 | 30 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/12/05 | SW846 7041 | 721026460 |
| | The digested spikes for this batch showed a loss of Antimony. Analytical spikes were performed which were within QC limits. | | | | | | | |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.19 | 0.38 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.40 | mg/Kg DWB | 1 | 0.038 | 0.13 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 57 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.2 | mg/Kg DWB | 1 | 0.57* | 2.0 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.2 | mg/Kg DWB | 1 | 0.57 | 2.0 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [1.1] | mg/Kg DWB | 1 | 0.53 | 1.9 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 2.5 | mg/Kg DWB | 1 | 0.23 | 0.84 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6700 | mg/Kg DWB | 10 | 11 | 40 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.2 | 23 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4600 | mg/Kg DWB | 10 | 57 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 120 | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [2.8] | mg/Kg DWB | 1 | 1.3 | 4.8 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 430 | mg/Kg DWB | 1 | 14 | 50 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.3 | 4.6 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 8.8 | mg/Kg DWB | 1 | 0.33 | 1.2 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.26 | 0.76 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

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**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP106-10-12 NLS ID: 368234
Ref. Line 2 COC 76404 Soil, NS-SOGP106-10-12 Matrix: SO
Collected: 04/19/05 09:00 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.6 | 28 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.18 | 0.36 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 260 | mg/Kg DWB | 5 | 0.18 | 0.63 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.97 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 23000 | mg/Kg DWB | 10 | 54 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.51 | 1.8 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.21 | 0.79 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 10 | 38 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.7] | mg/Kg DWB | 1 | 5.8 | 21 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9100 | mg/Kg DWB | 10 | 54 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.3 | 4.6 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 13 | 47 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.31 | 1.2 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.24 | 0.72 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP106-14-16 NLS ID: 368235
Ref. Line 3 COC 76404 Soil, NS-SOGP106-14-16 Matrix: SO
Collected: 04/19/05 08:50 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.8 | 29 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 67 | mg/Kg DWB | 1 | 0.19 | 0.37 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.93 | mg/Kg DWB | 5 | 0.19 | 0.65 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 30000 | mg/Kg DWB | 10 | 56 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.3 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 15 | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 10 | 39 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.0 | 22 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9800 | mg/Kg DWB | 10 | 56 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.088 | 0.31 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.3 | 4.7 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 13 | 49 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.5 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 89.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.32 | 1.2 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 35 | mg/Kg DWB | 1 | 0.25 | 0.74 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP109-2-4 NLS ID: 368236
Ref. Line 4 COC 76404 Soil, NS-SOGP109-2-4 Matrix: SO
Collected: 04/19/05 09:25 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9700 | mg/Kg DWB | 1 | 8.3 | 31 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.5 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.7 | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 67 | mg/Kg DWB | 1 | 0.20 | 0.40 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.26] | mg/Kg DWB | 5 | 0.20 | 0.69 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.55] | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 34000 | mg/Kg DWB | 10 | 59 | 120 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.59* | 2.1 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.59 | 2.1 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 3.4 | mg/Kg DWB | 1 | 0.55 | 1.9 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 37 | mg/Kg DWB | 1 | 0.23 | 0.87 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.0 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 14000 | mg/Kg DWB | 10 | 11 | 41 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 160 | mg/Kg DWB | 1 | 6.4 | 23 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 59 | 120 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 180 | mg/Kg DWB | 1 | 0.13 | 0.40 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.35 | mg/Kg DWB | 1 | 0.095 | 0.34 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 10 | mg/Kg DWB | 1 | 1.4 | 5.0 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 940 | mg/Kg DWB | 1 | 14 | 52 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.7] | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.57 | 2.1 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 790 | mg/Kg DWB | 1 | 1.3 | 4.8 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 22 | mg/Kg DWB | 1 | 0.34 | 1.3 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 300 | mg/Kg DWB | 1 | 0.27 | 0.79 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP109-6-8 NLS ID: 368237
Ref. Line 5 COC 76404 Soil, NS-SOGP109-6-8 Matrix: SO
Collected: 04/19/05 10:00 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7800 | mg/Kg DWB | 1 | 10 | 38 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.1 | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 71 | mg/Kg DWB | 1 | 0.24 | 0.48 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.51] | mg/Kg DWB | 5 | 0.24 | 0.85 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.36 | 1.3 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 73 | 150 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | mg/Kg DWB | 1 | 0.73* | 2.6 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.21* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 16 | mg/Kg DWB | 1 | 0.73 | 2.6 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.3 | mg/Kg DWB | 1 | 0.68 | 2.4 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 63 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 3.1 | mg/Kg DWB | 1 | 0.15 | 0.44 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 14 | 50 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 83 | mg/Kg DWB | 1 | 7.8 | 29 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4800 | mg/Kg DWB | 10 | 73 | 150 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.16 | 0.48 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.23] | mg/Kg DWB | 1 | 0.11 | 0.41 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.7 | 6.1 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 17 | 63 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.1] | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.70 | 2.5 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.6 | 5.8 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 69.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.0 | 7.2 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 21 | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.32 | 0.97 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP112-1-3 NLS ID: 368238
Ref. Line 7 COC 76404 Soil, NS-SOGP112-1-3 Matrix: SO
Collected: 04/19/05 11:00 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7400 | mg/Kg DWB | 1 | 8.5 | 32 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 69 | mg/Kg DWB | 1 | 0.20 | 0.41 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.61] | mg/Kg DWB | 5 | 0.20 | 0.71 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.39] | mg/Kg DWB | 1 | 0.30 | 1.1 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 6400 | mg/Kg DWB | 10 | 61 | 120 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.61* | 2.2 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.61 | 2.2 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.57 | 2.0 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 39 | mg/Kg DWB | 1 | 0.24 | 0.90 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 4.8 | mg/Kg DWB | 2 | 0.11 | 0.32 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 42 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 62 | mg/Kg DWB | 1 | 6.6 | 24 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4000 | mg/Kg DWB | 10 | 61 | 120 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.13 | 0.41 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.4 | 5.2 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 740 | mg/Kg DWB | 1 | 15 | 53 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.5] | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.59 | 2.1 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 210 | mg/Kg DWB | 1 | 1.3 | 4.9 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.35 | 1.3 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 120 | mg/Kg DWB | 1 | 0.27 | 0.81 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP112-3-4 NLS ID: 368239
Ref. Line 8 COC 76404 Soil, NS-SOGP112-3-4 Matrix: SO
Collected: 04/19/05 11:40 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.1 | 26 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 0.89 | 3.2 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 91 | mg/Kg DWB | 1 | 0.17 | 0.34 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.71 | mg/Kg DWB | 5 | 0.17 | 0.59 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.32] | mg/Kg DWB | 1 | 0.25 | 0.91 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 51 | 100 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.51 | 1.8 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 29 | mg/Kg DWB | 1 | 0.20 | 0.74 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.4 | mg/Kg DWB | 1 | 0.097 | 0.29 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.5 | 35 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 96 | mg/Kg DWB | 1 | 5.5 | 20 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6300 | mg/Kg DWB | 10 | 51 | 100 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.24] | mg/Kg DWB | 1 | 0.085 | 0.30 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 12 | 44 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 350 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 150 | mg/Kg DWB | 1 | 0.23 | 0.68 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP104-2-4 NLS ID: 368240
Ref. Line 9 COC 76404 Soil, NS-SOGP104-2-4 Matrix: SO
Collected: 04/19/05 12:10 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 7.8 | 29 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 0.86 | 3.0 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 74 | mg/Kg DWB | 1 | 0.19 | 0.37 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.59] | mg/Kg DWB | 5 | 0.19 | 0.65 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 1.0 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 60000 | mg/Kg DWB | 100 | 560 | 1100 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.8 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 2.9 | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 10 | 39 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.4] | mg/Kg DWB | 1 | 6.0 | 22 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 56 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.3 | 4.7 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 13 | 49 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.4 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [1.5] | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.32 | 1.2 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 35 | mg/Kg DWB | 1 | 0.25 | 0.74 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP104-4-6 NLS ID: 368241
Ref. Line 10 COC 76404 Soil, NS-SOGP104-4-6 Matrix: SO
Collected: 04/19/05 13:20 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.8 | 25 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.16 | 0.32 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.68 | mg/Kg DWB | 5 | 0.16 | 0.57 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 60000 | mg/Kg DWB | 100 | 490 | 970 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 21 | mg/Kg DWB | 1 | 0.49* | 1.7 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 21 | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 15 | mg/Kg DWB | 1 | 0.19 | 0.71 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.9 | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.1 | 34 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.1] | mg/Kg DWB | 1 | 5.2 | 19 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 49 | 97 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 420 | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 12 | 42 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.1 | 3.9 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.22 | 0.65 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP104-10-12 NLS ID: 368242
Ref. Line 1 COC 76405 Soil, NS-SOGP104-10-12 Matrix: SO
Collected: 04/19/05 13:05 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 10000 | mg/Kg DWB | 1 | 7.3 | 27 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.5] | mg/Kg DWB | 20 | 0.90 | 3.2 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 54 | mg/Kg DWB | 1 | 0.17 | 0.35 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.66 | mg/Kg DWB | 5 | 0.17 | 0.61 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 63000 | mg/Kg DWB | 100 | 520 | 1000 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.52* | 1.8 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.3 | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.20 | 0.76 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.9 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.7 | 36 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.6 | 20 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 21000 | mg/Kg DWB | 10 | 52 | 100 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.11 | 0.35 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.2 | 4.4 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 12 | 45 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.1 | 4.2 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 25 | mg/Kg DWB | 1 | 0.30 | 1.1 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 24 | mg/Kg DWB | 1 | 0.23 | 0.69 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

NS-SQ MeOH Blank 1-0405 NLS ID: 368243
Ref. Line 4 COC 76405 NS-SQ MeOH Blank 1-0405 Matrix: TB
Collected: 04/19/05 00:00 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88793**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368233 Soil, NS-SOGP106-3-4 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 110 | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 120 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [110] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [98] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [57] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [82] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368234 Soil, NS-SOGP106-10-12 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [1700] | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [1600] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 2900 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | [1500] | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1100] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1000] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [1400] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [1400] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 3300 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | ND | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 14000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 21000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 27000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 12000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 4300 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 84% | | | | |
| Phenol-d5 (SURR**) | 83% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 87% | | | | |

10 mL final extract volume.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368235 Soil, NS-SOGP106-14-16 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 130 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 190 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | 270 | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 380 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [52] | ug/Kg | 1 | 37 | 120 |
| Phenol | 340 | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368236 Soil, NS-SOGP109-2-4 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 40 | 1300 | 4300 |
| Acenaphthylene | 9100 | ug/Kg | 40 | 1200 | 4100 |
| Anthracene | [3900] | ug/Kg | 40 | 1500 | 5100 |
| Benzo[a]anthracene | 7300 | ug/Kg | 40 | 1400 | 4600 |
| Benzo[a]pyrene | 32000 | ug/Kg | 40 | 1400 | 4500 |
| Benzo[b]fluoranthene | 28000 | ug/Kg | 40 | 1500 | 5000 |
| Benzo[g,h,i]perylene | 27000 | ug/Kg | 40 | 1300 | 4300 |
| Benzo[k]fluoranthene | 7500 | ug/Kg | 40 | 1500 | 5100 |
| Chrysene | 11000 | ug/Kg | 40 | 1400 | 4800 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 40 | 1400 | 4500 |
| Dibenzofuran | ND | ug/Kg | 40 | 1300 | 4200 |
| Fluoranthene | 6400 | ug/Kg | 40 | 1500 | 5000 |
| Fluorene | ND | ug/Kg | 40 | 1300 | 4300 |
| Indeno[1,2,3-cd]pyrene | 10000 | ug/Kg | 40 | 1200 | 4200 |
| 1-Methylnaphthalene | ND | ug/Kg | 40 | 1300 | 4200 |
| 2-Methylnaphthalene | ND | ug/Kg | 40 | 1200 | 4100 |
| 2-Methylphenol | ND | ug/Kg | 40 | 1000 | 3500 |
| 3 & 4-Methylphenol | ND | ug/Kg | 40 | 2200 | 7700 |
| Naphthalene | ND | ug/Kg | 40 | 1200 | 4100 |
| Phenanthrene | [2100] | ug/Kg | 40 | 1500 | 4900 |
| Phenol | ND | ug/Kg | 40 | 1100 | 3800 |
| Pyrene | 17000 | ug/Kg | 40 | 1400 | 4700 |
| Benzo[e]pyrene | 27000 | ug/Kg | 40 | 1500 | 5100 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 54% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

10 mL final extract volume.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368237 Soil, NS-SOGP109-6-8 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 420000 | ug/Kg | 2000 | 65000 | 220000 |
| Acenaphthylene | ND | ug/Kg | 2000 | 61000 | 200000 |
| Anthracene | [130000] | ug/Kg | 2000 | 77000 | 260000 |
| Benzo[a]anthracene | ND | ug/Kg | 2000 | 68000 | 230000 |
| Benzo[a]pyrene | ND | ug/Kg | 2000 | 68000 | 230000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 2000 | 75000 | 250000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 2000 | 65000 | 220000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2000 | 76000 | 250000 |
| Chrysene | ND | ug/Kg | 2000 | 71000 | 240000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2000 | 68000 | 230000 |
| Dibenzofuran | ND | ug/Kg | 2000 | 63000 | 210000 |
| Fluoranthene | [160000] | ug/Kg | 2000 | 75000 | 250000 |
| Fluorene | [170000] | ug/Kg | 2000 | 65000 | 220000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2000 | 62000 | 210000 |
| 1-Methylnaphthalene | 940000 | ug/Kg | 2000 | 63000 | 210000 |
| 2-Methylnaphthalene | 1500000 | ug/Kg | 2000 | 62000 | 210000 |
| 2-Methylphenol | ND | ug/Kg | 2000 | 52000 | 170000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2000 | 110000 | 390000 |
| Naphthalene | 2900000 | ug/Kg | 2000 | 61000 | 200000 |
| Phenanthrene | 520000 | ug/Kg | 2000 | 73000 | 240000 |
| Phenol | ND | ug/Kg | 2000 | 56000 | 190000 |
| Pyrene | 280000 | ug/Kg | 2000 | 71000 | 240000 |
| Benzo[e]pyrene | ND | ug/Kg | 2000 | 76000 | 250000 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 102% | | | | |
| Nitrobenzene-d5 (SURR**) | 138% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 0% | | | | |

10 mL final extract volume.
Surrogate recoveries for Phenol-d5 and Nitrobenzene-d5 were outside QC limits due to sample matrix.
The surrogates 2,4,6-Tribromophenol and Terphenyl-d14 did not recover due to sample matrix and a high dilution factor.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368238 Soil, NS-SOGP112-1-3 Collected: 04/19/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 4 | 130 | 430 |
| Acenaphthylene | ND | ug/Kg | 4 | 120 | 410 |
| Anthracene | ND | ug/Kg | 4 | 150 | 510 |
| Benzo[a]anthracene | ND | ug/Kg | 4 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/Kg | 4 | 140 | 450 |
| Benzo[b]fluoranthene | [190] | ug/Kg | 4 | 150 | 500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 4 | 130 | 430 |
| Benzo[k]fluoranthene | ND | ug/Kg | 4 | 150 | 510 |
| Chrysene | ND | ug/Kg | 4 | 140 | 480 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 4 | 140 | 450 |
| Dibenzofuran | ND | ug/Kg | 4 | 130 | 420 |
| Fluoranthene | ND | ug/Kg | 4 | 150 | 500 |
| Fluorene | ND | ug/Kg | 4 | 130 | 430 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 4 | 120 | 420 |
| 1-Methylnaphthalene | ND | ug/Kg | 4 | 130 | 420 |
| 2-Methylnaphthalene | ND | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | ND | ug/Kg | 4 | 100 | 350 |
| 3 & 4-Methylphenol | ND | ug/Kg | 4 | 220 | 770 |
| Naphthalene | ND | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | ND | ug/Kg | 4 | 150 | 490 |
| Phenol | ND | ug/Kg | 4 | 110 | 380 |
| Pyrene | [260] | ug/Kg | 4 | 140 | 470 |
| Benzo[e]pyrene | ND | ug/Kg | 4 | 150 | 510 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 60% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

2 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368239 Soil, NS-SOGP112-3-4 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 490000 | ug/Kg | 1000 | 32000 | 110000 |
| Acenaphthylene | [56000] | ug/Kg | 1000 | 31000 | 100000 |
| Anthracene | 310000 | ug/Kg | 1000 | 38000 | 130000 |
| Benzo[a]anthracene | 170000 | ug/Kg | 1000 | 34000 | 110000 |
| Benzo[a]pyrene | 170000 | ug/Kg | 1000 | 34000 | 110000 |
| Benzo[b]fluoranthene | 180000 | ug/Kg | 1000 | 38000 | 130000 |
| Benzo[g,h,i]perylene | [44000] | ug/Kg | 1000 | 33000 | 110000 |
| Benzo[k]fluoranthene | [54000] | ug/Kg | 1000 | 38000 | 130000 |
| Chrysene | 170000 | ug/Kg | 1000 | 36000 | 120000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1000 | 34000 | 110000 |
| Dibenzofuran | ND | ug/Kg | 1000 | 32000 | 110000 |
| Fluoranthene | 370000 | ug/Kg | 1000 | 37000 | 120000 |
| Fluorene | 260000 | ug/Kg | 1000 | 32000 | 110000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1000 | 31000 | 100000 |
| 1-Methylnaphthalene | 660000 | ug/Kg | 1000 | 32000 | 110000 |
| 2-Methylnaphthalene | 1100000 | ug/Kg | 1000 | 31000 | 100000 |
| 2-Methylphenol | ND | ug/Kg | 1000 | 26000 | 87000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1000 | 55000 | 190000 |
| Naphthalene | 1000000 | ug/Kg | 1000 | 31000 | 100000 |
| Phenanthrene | 1000000 | ug/Kg | 1000 | 37000 | 120000 |
| Phenol | ND | ug/Kg | 1000 | 28000 | 94000 |
| Pyrene | 710000 | ug/Kg | 1000 | 36000 | 120000 |
| Benzo[e]pyrene | [96000] | ug/Kg | 1000 | 38000 | 130000 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 328% | | | | |
| 2-Fluorobiphenyl (SURR**) | 104% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 99% | | | | |

10 mL final extract volume.
Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.
The surrogate 2,4,6-Tribromophenol did not recover due to sample matrix and a high dilution factor.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368240 Soil, NS-SOGP104-2-4 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 40000 | ug/Kg | 80 | 2600 | 8600 |
| Acenaphthylene | [6600] | ug/Kg | 80 | 2500 | 8200 |
| Anthracene | 15000 | ug/Kg | 80 | 3100 | 10000 |
| Benzo[a]anthracene | 9700 | ug/Kg | 80 | 2700 | 9100 |
| Benzo[a]pyrene | 11000 | ug/Kg | 80 | 2700 | 9100 |
| Benzo[b]fluoranthene | 10000 | ug/Kg | 80 | 3000 | 10000 |
| Benzo[g,h,i]perylene | [3900] | ug/Kg | 80 | 2600 | 8700 |
| Benzo[k]fluoranthene | [4100] | ug/Kg | 80 | 3100 | 10000 |
| Chrysene | 10000 | ug/Kg | 80 | 2900 | 9500 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 80 | 2700 | 9100 |
| Dibenzofuran | [4800] | ug/Kg | 80 | 2500 | 8400 |
| Fluoranthene | 19000 | ug/Kg | 80 | 3000 | 10000 |
| Fluorene | 22000 | ug/Kg | 80 | 2600 | 8700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 80 | 2500 | 8300 |
| 1-Methylnaphthalene | 90000 | ug/Kg | 80 | 2500 | 8400 |
| 2-Methylnaphthalene | [7500] | ug/Kg | 80 | 2500 | 8300 |
| 2-Methylphenol | ND | ug/Kg | 80 | 2100 | 7000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 80 | 4400 | 15000 |
| Naphthalene | 30000 | ug/Kg | 80 | 2500 | 8200 |
| Phenanthrene | 37000 | ug/Kg | 80 | 2900 | 9800 |
| Phenol | ND | ug/Kg | 80 | 2300 | 7500 |
| Pyrene | 31000 | ug/Kg | 80 | 2800 | 9500 |
| Benzo[e]pyrene | [7700] | ug/Kg | 80 | 3000 | 10000 |
| 2-Fluorophenol (SURR**) | 82% | | | | |
| Phenol-d5 (SURR**) | 82% | | | | |
| Nitrobenzene-d5 (SURR**) | 117% | | | | |
| 2-Fluorobiphenyl (SURR**) | 102% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 103% | | | | |

10 mL final extract volume.

Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368241 Soil, NS-SOGP104-4-6 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 8100 | ug/Kg | 40 | 1300 | 4300 |
| Acenaphthylene | [3700] | ug/Kg | 40 | 1200 | 4100 |
| Anthracene | 8500 | ug/Kg | 40 | 1500 | 5100 |
| Benzo[a]anthracene | 14000 | ug/Kg | 40 | 1400 | 4600 |
| Benzo[a]pyrene | 16000 | ug/Kg | 40 | 1400 | 4500 |
| Benzo[b]fluoranthene | 16000 | ug/Kg | 40 | 1500 | 5000 |
| Benzo[g,h,i]perylene | 6000 | ug/Kg | 40 | 1300 | 4300 |
| Benzo[k]fluoranthene | 5300 | ug/Kg | 40 | 1500 | 5100 |
| Chrysene | 14000 | ug/Kg | 40 | 1400 | 4800 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 40 | 1400 | 4500 |
| Dibenzofuran | ND | ug/Kg | 40 | 1300 | 4200 |
| Fluoranthene | 29000 | ug/Kg | 40 | 1500 | 5000 |
| Fluorene | 5700 | ug/Kg | 40 | 1300 | 4300 |
| Indeno[1,2,3-cd]pyrene | [2900] | ug/Kg | 40 | 1200 | 4200 |
| 1-Methylnaphthalene | 8300 | ug/Kg | 40 | 1300 | 4200 |
| 2-Methylnaphthalene | [1800] | ug/Kg | 40 | 1200 | 4100 |
| 2-Methylphenol | ND | ug/Kg | 40 | 1000 | 3500 |
| 3 & 4-Methylphenol | ND | ug/Kg | 40 | 2200 | 7700 |
| Naphthalene | 4400 | ug/Kg | 40 | 1200 | 4100 |
| Phenanthrene | 21000 | ug/Kg | 40 | 1500 | 4900 |
| Phenol | ND | ug/Kg | 40 | 1100 | 3800 |
| Pyrene | 57000 | ug/Kg | 40 | 1400 | 4700 |
| Benzo[e]pyrene | 12000 | ug/Kg | 40 | 1500 | 5100 |
| 2-Fluorophenol (SURR**) | 80% | | | | |
| Phenol-d5 (SURR**) | 81% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 93% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 94% | | | | |

10 mL final extract volume.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

Sample: 368242 Soil, NS-SOGP104-10-12 Collected: 04/19/05 Analyzed: 04/26/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [41] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | [59] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [56] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [60] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [58] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [57] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 160 | ug/Kg | 1 | 37 | 120 |
| Fluorene | [68] | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 130 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [51] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 370 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 310 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [47] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

Sample: 368233 Soil, NS-SOGP106-3-4 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

Sample: 368234 Soil, NS-SOGP106-10-12 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2800 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | 1000 | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | 710 | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 620 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 910 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 270 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | 1500 | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

Sample: 368235 Soil, NS-SOGP106-14-16 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1300 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 83 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 77 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 620 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 56 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 160 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 115% | | | | |
| Toluene-d8 (SURR**) | 125% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

Sample: 368236 Soil, NS-SOGP109-2-4 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 150 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [43] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 61 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 93 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 60 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [54] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 100 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

Sample: 368237 Soil, NS-SOGP109-6-8 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 200000 | ug/kg | 400 | 6100 | 20000 |
| sec-Butylbenzene | ND | ug/kg | 400 | 7700 | 26000 |
| Ethylbenzene | 170000 | ug/kg | 400 | 6200 | 21000 |
| ortho-Xylene | 78000 | ug/kg | 400 | 5100 | 17000 |
| Styrene | ND | ug/kg | 400 | 6900 | 23000 |
| Toluene | 41000 | ug/kg | 400 | 4200 | 13000 |
| 1,2,4-Trimethylbenzene | 100000 | ug/kg | 400 | 5900 | 20000 |
| 1,3,5-Trimethylbenzene | 30000 | ug/kg | 400 | 6600 | 22000 |
| meta,para-Xylene | 150000 | ug/kg | 400 | 10000 | 36000 |
| 1,2,3-Trimethylbenzene | 37000 | ug/kg | 400 | 7600 | 25000 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample was diluted due to high level of Naphthalene.

Sample: 368238 Soil, NS-SOGP112-1-3 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [18] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

Sample: 368239 Soil, NS-SOGP112-3-4 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 500 | 7600 | 25000 |
| sec-Butylbenzene | ND | ug/kg | 500 | 9600 | 32000 |
| Ethylbenzene | [16000] | ug/kg | 500 | 7700 | 26000 |
| ortho-Xylene | 22000 | ug/kg | 500 | 6400 | 21000 |
| Styrene | ND | ug/kg | 500 | 8600 | 29000 |
| Toluene | ND | ug/kg | 500 | 5300 | 17000 |
| 1,2,4-Trimethylbenzene | 54000 | ug/kg | 500 | 7300 | 25000 |
| 1,3,5-Trimethylbenzene | [21000] | ug/kg | 500 | 8200 | 27000 |
| meta,para-Xylene | [18000] | ug/kg | 500 | 13000 | 44000 |
| 1,2,3-Trimethylbenzene | [22000] | ug/kg | 500 | 9400 | 32000 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample was diluted due to high level of Naphthalene.

Sample: 368240 Soil, NS-SOGP104-2-4 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | [860] | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 1400 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | ND | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 4900 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 2400 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | [750] | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | 3600 | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

Sample: 368241 Soil, NS-SOGP104-4-6 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [58] | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | [41] | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 160 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 150 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | [48] | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 500 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 180 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | [130] | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 260 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample was diluted due to high level of Naphthalene.

Sample: 368242 Soil, NS-SOGP104-10-12 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [46] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 170 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [43] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [36] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

Sample: 368243 NS-SQ MeOH Blank 1-0405 Collected: 04/19/05 Analyzed: 04/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88794**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 1-0405 NLS ID: 368244
Ref. Line 3 COC 76405(C) NS-SQEquip Blank 1-0405 Matrix: GW
Collected: 04/19/05 13:45 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.025 | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | [0.18] | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/20/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.6] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.4] | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.36 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [0.92] | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [7.2] | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 04/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/09/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88794**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 2-0405 NLS ID: 368398
Ref. Line 4 COC 76408(C) NS-SQEquip Blank 2-0405 Matrix: GW
Collected: 04/20/05 00:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.034 | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.0] | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 7.3 | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | [0.22] | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/21/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.74] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.033] | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.6] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [0.74] | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.41 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 19 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 04/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/09/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88794**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 3-0405 NLS ID: 368512
Ref. Line 9 COC 76411(C) NS-SQEquip Blank 3-0405 Matrix: GW
Collected: 04/21/05 13:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.015] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | [0.23] | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/22/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.10] | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 23 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 04/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/09/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88794**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 4-0405 NLS ID: 368539
Ref. Line 4 COC 76413(C) NS-SQEquip Blank 4-0405 Matrix: GW
Collected: 04/21/05 10:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.10 | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | [0.23] | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/22/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.45] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.10] | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 6.9 | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.7] | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.45 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [0.68] | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 50 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 04/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88794**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 5-0405 NLS ID: 368678
Ref. Line 7 COC 76414(C) NS-SQEquip Blank 5-0405 Matrix: GW
Collected: 04/25/05 13:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.019] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/26/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/18/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.8] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.67] | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.13 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [8.4] | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88794**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 6-0405 NLS ID: 368865
Ref. Line 8 COC 76416(C) NS-SQEquip Blank 6-0405 Matrix: GW
Collected: 04/26/05 13:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.031 | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 0.42 | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/27/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.96] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.040] | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.8] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.18 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [0.91] | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88794**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 7-0405 NLS ID: 369101
Ref. Line 7 COC 76419(C) NS-SQEquip Blank 7-0405 Matrix: GW
Collected: 04/27/05 13:00 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.5] | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 0.60 | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/28/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 05/05/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/18/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.9] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.29 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 30 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88794**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 8-0405 NLS ID: 369265
Ref. Line 9 COC 76421(C) NS-SQEquip Blank 8-0405 Matrix: GW
Collected: 04/28/05 12:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.015] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/29/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 05/05/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 5.8 | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.37 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88794**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQEquip Blank 9-0405 NLS ID: 369352
Ref. Line 4 COC 76423(C) NS-SQEquip Blank 9-0405 Matrix: GW
Collected: 04/28/05 10:45 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.018] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/29/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 05/05/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 4.0 | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.076] | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 368244 NS-SQEquip Blank 1-0405 Collected: 04/19/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 368398 NS-SQEquip Blank 2-0405 Collected: 04/20/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 368512 NS-SQEquip Blank 3-0405 Collected: 04/21/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 368539 NS-SQEquip Blank 4-0405 Collected: 04/21/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 368678 NS-SQEquip Blank 5-0405 Collected: 04/25/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 368865 NS-SQEquip Blank 6-0405 Collected: 04/26/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 369101 NS-SQEquip Blank 7-0405 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 369265 NS-SQEquip Blank 8-0405 Collected: 04/28/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

Sample: 369352 NS-SQEquip Blank 9-0405 Collected: 04/28/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

Sample: 368244 NS-SQEquip Blank 1-0405 Collected: 04/19/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 8.7 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 122% | | | | |
| Toluene-d8 (SURR**) | 129% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 124% | | | | |

Surrogate recovery for Toluene-d8 was outside in-house QC limits.

Sample: 368398 NS-SQEquip Blank 2-0405 Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 7.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

Sample: 368512 NS-SQEquip Blank 3-0405 Collected: 04/21/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 14 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 116% | | | | |
| Toluene-d8 (SURR**) | 124% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

Surrogate recovery for Toluene-d8 was outside in-house QC limits.

Sample: 368539 NS-SQEquip Blank 4-0405 Collected: 04/21/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 4.7 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

Sample: 368678 NS-SQEquip Blank 5-0405 Collected: 04/25/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 6.6 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample: 368865 NS-SQEquip Blank 6-0405 Collected: 04/26/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 23 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Toluene was reported over calibration range.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

Sample: 369101 NS-SQEquip Blank 7-0405 Collected: 04/27/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 22 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Toluene was reported over calibration range.

Sample: 369265 NS-SQEquip Blank 8-0405 Collected: 04/28/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 7.6 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 113% | | | | |
| Toluene-d8 (SURR**) | 126% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

Surrogate recovery for Toluene-d8 was outside in-house QC limits.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

Sample: 369352 NS-SQEquip Blank 9-0405 Collected: 04/28/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.76] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP114-1-3 MS/MSD NLS ID: 368482
Ref. Line 1 COC 76409 Soil, NS-SOGP114-1-3 MS/MSD Matrix: SO
Collected: 04/20/05 15:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.7 | 29 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 88 | mg/Kg DWB | 1 | 0.18 | 0.37 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.77 | mg/Kg DWB | 5 | 0.18 | 0.64 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.99 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 50000 | mg/Kg DWB | 10 | 55 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.55* | 1.9 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.55 | 1.9 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.5 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.22 | 0.81 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.2 | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 10 | 38 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.6] | mg/Kg DWB | 1 | 6.0 | 22 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 55 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.3 | 4.7 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 13 | 48 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 40 | 2.4 | 8.4 | 05/25/05 | SW846 7740 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 270 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.2 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.32 | 1.2 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 43 | mg/Kg DWB | 1 | 0.25 | 0.74 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88866**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP114-4-6 NLS ID: 368483
Ref. Line 2 COC 76409 Soil, NS-SOGP114-4-6 Matrix: SO
Collected: 04/20/05 15:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.2 | 27 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 0.90 | 3.2 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 61 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.19] | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.30 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 21 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.20 | 0.75 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.0 | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 9.5 | 35 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [19] | mg/Kg DWB | 1 | 5.5 | 20 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5400 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 390 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 12 | 45 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 86 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.23 | 0.68 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP114-12-14 NLS ID: 368484
Ref. Line 3 COC 76409 Soil, NS-SOGP114-12-14 Matrix: SO
Collected: 04/20/05 15:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 8.4 | 31 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 68 | mg/Kg DWB | 1 | 0.20 | 0.40 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.5 | mg/Kg DWB | 5 | 0.20 | 0.70 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 60 | 120 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.60* | 2.1 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.60 | 2.1 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.8 | mg/Kg DWB | 1 | 0.56 | 2.0 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 15 | mg/Kg DWB | 1 | 0.24 | 0.88 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.27] | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 42 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.8] | mg/Kg DWB | 1 | 6.5 | 24 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8400 | mg/Kg DWB | 10 | 60 | 120 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.4 | 5.1 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 14 | 53 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.58 | 2.1 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.2 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.35 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 36 | mg/Kg DWB | 1 | 0.27 | 0.80 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP117-2-4 NLS ID: 368485
Ref. Line 4 COC 76409 Soil, NS-SOGP117-2-4 Matrix: SO
Collected: 04/20/05 15:45 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 5.9 | 22 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.5 | 5.5 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.3] | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 90 | mg/Kg DWB | 1 | 0.14 | 0.28 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.78 | mg/Kg DWB | 5 | 0.14 | 0.49 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.75 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 26000 | mg/Kg DWB | 10 | 42 | 84 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.42* | 1.5 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.7 | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.16 | 0.61 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 6.3 | mg/Kg DWB | 2 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 7.8 | 29 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 34 | mg/Kg DWB | 1 | 4.5 | 16 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9500 | mg/Kg DWB | 10 | 42 | 84 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 360 | mg/Kg DWB | 1 | 0.092 | 0.28 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.21] | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 0.98 | 3.5 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 10 | 37 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.40 | 1.5 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 260 | mg/Kg DWB | 1 | 0.92 | 3.4 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.24 | 0.89 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 57 | mg/Kg DWB | 1 | 0.19 | 0.56 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP117-6-8 NLS ID: 368486
Ref. Line 5 COC 76409 Soil, NS-SOGP117-6-8 Matrix: SO
Collected: 04/20/05 16:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6900 | mg/Kg DWB | 1 | 8.8 | 33 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 73 | mg/Kg DWB | 1 | 0.21 | 0.42 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.37 | mg/Kg DWB | 2 | 0.084 | 0.29 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8500 | mg/Kg DWB | 10 | 63 | 130 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | mg/Kg DWB | 1 | 0.63* | 2.2 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.20* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 16 | mg/Kg DWB | 1 | 0.63 | 2.2 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.0 | mg/Kg DWB | 1 | 0.59 | 2.1 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.3 | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 13000 | mg/Kg DWB | 10 | 12 | 44 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 69 | mg/Kg DWB | 1 | 6.8 | 25 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3500 | mg/Kg DWB | 10 | 63 | 130 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.14 | 0.42 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.38 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 9.9 | mg/Kg DWB | 1 | 1.5 | 5.3 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 990 | mg/Kg DWB | 1 | 15 | 55 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.61 | 2.2 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.4 | 5.0 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 74.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.0 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 23 | mg/Kg DWB | 1 | 0.36 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 55 | mg/Kg DWB | 1 | 0.28 | 0.84 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP117-14-16 NLS ID: 368487
Ref. Line 6 COC 76409 Soil, NS-SOGP117-14-16 Matrix: SO
Collected: 04/20/05 16:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9000 | mg/Kg DWB | 1 | 6.4 | 24 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 2.9 | mg/Kg DWB | 20 | 0.77 | 2.7 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 57 | mg/Kg DWB | 1 | 0.15 | 0.30 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.41] | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.82 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 7600 | mg/Kg DWB | 10 | 46 | 91 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.9 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.18 | 0.67 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.6 | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 8.5 | 32 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.9 | 18 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 46 | 91 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.10 | 0.30 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 11 | 40 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.90 | 3.1 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 86 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.1 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 26 | mg/Kg DWB | 1 | 0.20 | 0.61 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP105-2-4 NLS ID: 368488
Ref. Line 7 COC 76409 Soil, NS-SOGP105-2-4 Matrix: SO
Collected: 04/20/05 17:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 8.3 | 31 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/23/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 3.4 | mg/Kg DWB | 20 | 0.89 | 3.1 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 75 | mg/Kg DWB | 1 | 0.20 | 0.39 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.55] | mg/Kg DWB | 5 | 0.20 | 0.69 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9000 | mg/Kg DWB | 10 | 59 | 120 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.59* | 2.1 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.20 | mg/Kg DWB | 2 | 0.18* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.59 | 2.1 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.2 | mg/Kg DWB | 1 | 0.55 | 1.9 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.23 | 0.87 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 25 | mg/Kg DWB | 10 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 11 | 41 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 36 | mg/Kg DWB | 1 | 6.4 | 23 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5200 | mg/Kg DWB | 10 | 59 | 120 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.13 | 0.39 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.43 | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.4 | 5.0 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 14 | 52 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.57 | 2.1 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.3 | 4.7 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 26 | mg/Kg DWB | 1 | 0.34 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 49 | mg/Kg DWB | 1 | 0.26 | 0.79 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88866**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDUP03-0405 NLS ID: 368489
Ref. Line 8 COC 76409 Soil, NS-SQDUP03-0405 Matrix: SO
Collected: 04/20/05 17:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.2 | 27 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.6 | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 76 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.75 | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.93 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.20 | 0.75 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 32 | mg/Kg DWB | 10 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.6 | 36 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 25 | mg/Kg DWB | 1 | 5.6 | 20 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7700 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.35 | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 12 | 45 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 50 | mg/Kg DWB | 1 | 0.23 | 0.69 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88866**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP115-1-3 NLS ID: 368490
Ref. Line 9 COC 76409 Soil, NS-SOGP115-1-3 Matrix: SO
Collected: 04/21/05 07:40 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8400 | mg/Kg DWB | 1 | 8.0 | 30 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.8 | mg/Kg DWB | 20 | 0.90 | 3.2 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.19 | 0.38 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.42] | mg/Kg DWB | 5 | 0.19 | 0.66 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.29] | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 31000 | mg/Kg DWB | 10 | 57 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.57* | 2.0 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.57 | 2.0 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.3 | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 39 | mg/Kg DWB | 1 | 0.22 | 0.84 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 4.4 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 11 | 39 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 480 | mg/Kg DWB | 1 | 6.2 | 22 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5900 | mg/Kg DWB | 10 | 57 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 860 | mg/Kg DWB | 1 | 0.13 | 0.38 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.16] | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 14 | 50 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.6 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 21 | mg/Kg DWB | 1 | 0.33 | 1.2 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 100 | mg/Kg DWB | 1 | 0.25 | 0.76 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP115-4-6 NLS ID: 368491
Ref. Line 10 COC 76409 Soil, NS-SOGP115-4-6 Matrix: SO
Collected: 04/21/05 08:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.4 | 24 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.3] | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 79 | mg/Kg DWB | 1 | 0.15 | 0.31 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.73 | mg/Kg DWB | 5 | 0.15 | 0.54 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.83 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 20000 | mg/Kg DWB | 10 | 46 | 92 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.26 | mg/Kg DWB | 2 | 0.18* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 68 | mg/Kg DWB | 1 | 0.18 | 0.67 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 8.6 | 32 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 500 | mg/Kg DWB | 1 | 5.0 | 18 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8200 | mg/Kg DWB | 10 | 46 | 92 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 11 | 40 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.2 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 45 | mg/Kg DWB | 1 | 0.21 | 0.61 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NSQDUP04-0405 NLS ID: 368492
Ref. Line 1 COC 76410 Soil, NSQDUP04-0405 Matrix: SO
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9900 | mg/Kg DWB | 1 | 5.7 | 21 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 0.93 | 3.3 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 54 | mg/Kg DWB | 1 | 0.14 | 0.27 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.1 | mg/Kg DWB | 5 | 0.14 | 0.47 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.73 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 6900 | mg/Kg DWB | 10 | 41 | 81 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.41* | 1.4 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.41 | 1.4 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.38 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.16 | 0.59 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 7.6 | 28 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.0] | mg/Kg DWB | 1 | 4.4 | 16 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6300 | mg/Kg DWB | 10 | 41 | 81 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.089 | 0.27 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 0.95 | 3.4 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 9.7 | 35 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 0.89 | 3.2 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.24 | 0.87 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 30 | mg/Kg DWB | 1 | 0.18 | 0.54 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP115-14-16 NLS ID: 368493
Ref. Line 2 COC 76410 Soil, NS-SOGP115-14-16 Matrix: SO
Collected: 04/21/05 08:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9200 | mg/Kg DWB | 1 | 7.1 | 26 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 51 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.66 | mg/Kg DWB | 5 | 0.17 | 0.59 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 12000 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.52 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.20 | 0.74 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 9.5 | 35 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.5 | 20 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7200 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 240 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 12 | 44 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 28 | mg/Kg DWB | 1 | 0.23 | 0.68 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP120-0-2 NLS ID: 368494
Ref. Line 3 COC 76410 Soil, NS-SOGP120-0-2 Matrix: SO
Collected: 04/21/05 09:50 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7800 | mg/Kg DWB | 1 | 6.6 | 25 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 8.8 | mg/Kg DWB | 20 | 0.99 | 3.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 160 | mg/Kg DWB | 1 | 0.16 | 0.32 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.1 | mg/Kg DWB | 5 | 0.16 | 0.55 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 6900 | mg/Kg DWB | 10 | 47 | 95 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.47* | 1.7 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.091 | mg/Kg DWB | 2 | 0.083* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.0 | mg/Kg DWB | 1 | 0.44 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 36 | mg/Kg DWB | 1 | 0.19 | 0.70 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.71 | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 12000 | mg/Kg DWB | 10 | 8.9 | 33 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 59 | mg/Kg DWB | 1 | 5.1 | 19 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2500 | mg/Kg DWB | 10 | 47 | 95 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.10 | 0.32 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 52 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 780 | mg/Kg DWB | 1 | 11 | 41 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 270 | mg/Kg DWB | 1 | 1.0 | 3.8 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.2 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 110 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 99 | mg/Kg DWB | 1 | 0.21 | 0.63 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP120-4-6 MS/MSD NLS ID: 368495
Ref. Line 4 COC 76410 Soil, NS-SOGP120-4-6 MS/MSD Matrix: SO
Collected: 04/21/05 10:10 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 18000 | mg/Kg DWB | 1 | 6.9 | 26 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 98 | mg/Kg DWB | 1 | 0.16 | 0.33 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.79 | mg/Kg DWB | 5 | 0.16 | 0.57 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.89 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 66000 | mg/Kg DWB | 100 | 490 | 980 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 34 | mg/Kg DWB | 1 | 0.49* | 1.7 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 34 | mg/Kg DWB | 1 | 0.49 | 1.7 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 12 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.19 | 0.72 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 9.2 | 34 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.3 | 19 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 19000 | mg/Kg DWB | 10 | 49 | 98 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 24 | mg/Kg DWB | 1 | 1.1 | 4.2 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2600 | mg/Kg DWB | 1 | 12 | 43 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 290 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 43 | mg/Kg DWB | 1 | 0.29 | 1.0 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 46 | mg/Kg DWB | 1 | 0.22 | 0.66 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP120-10-12 NLS ID: 368496
Ref. Line 5 COC 76410 Soil, NS-SOGP120-10-12 Matrix: SO
Collected: 04/21/05 10:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.0 | 22 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.14 | 0.29 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.62 | mg/Kg DWB | 5 | 0.14 | 0.50 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.32] | mg/Kg DWB | 1 | 0.21 | 0.77 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 24000 | mg/Kg DWB | 10 | 43 | 86 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.43* | 1.5 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.59 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.3 | mg/Kg DWB | 1 | 0.40 | 1.4 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.17 | 0.63 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 8.0 | 30 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.0] | mg/Kg DWB | 1 | 4.6 | 17 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9800 | mg/Kg DWB | 10 | 43 | 86 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.095 | 0.29 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.0 | 3.6 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 10 | 38 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 0.95 | 3.4 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 36 | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 40 | mg/Kg DWB | 1 | 0.19 | 0.57 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP123-1-3 NLS ID: 368497
Ref. Line 6 COC 76410 Soil, NS-SOGP123-1-3 Matrix: SO
Collected: 04/21/05 10:35 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6600 | mg/Kg DWB | 1 | 6.5 | 24 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.3] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 86 | mg/Kg DWB | 1 | 0.15 | 0.31 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.69 | mg/Kg DWB | 5 | 0.15 | 0.54 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.83 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 46 | 92 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.16* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.8 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 34 | mg/Kg DWB | 1 | 0.18 | 0.68 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 8.6 | 32 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 73 | mg/Kg DWB | 1 | 5.0 | 18 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3500 | mg/Kg DWB | 10 | 46 | 92 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 780 | mg/Kg DWB | 1 | 11 | 40 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 130 | mg/Kg DWB | 1 | 0.21 | 0.62 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP123-6-8 NLS ID: 368498
Ref. Line 7 COC 76410 Soil, NS-SOGP123-6-8 Matrix: SO
Collected: 04/21/05 11:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 15000 | mg/Kg DWB | 1 | 7.4 | 28 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.9] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 75 | mg/Kg DWB | 1 | 0.18 | 0.35 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.76 | mg/Kg DWB | 5 | 0.18 | 0.62 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 53000 | mg/Kg DWB | 100 | 530 | 1100 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.53* | 1.9 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.28 | mg/Kg DWB | 2 | 0.16* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.8 | mg/Kg DWB | 1 | 0.49 | 1.7 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.21 | 0.78 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.9 | 37 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.2] | mg/Kg DWB | 1 | 5.7 | 21 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 53 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 440 | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 22 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 13 | 46 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.2 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.7 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.24 | 0.71 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP123-10-12 NLS ID: 368499
Ref. Line 8 COC 76410 Soil, NS-SOGP123-10-12 Matrix: SO
Collected: 04/21/05 11:10 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 6.3 | 23 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 32 | mg/Kg DWB | 1 | 0.15 | 0.30 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.51] | mg/Kg DWB | 5 | 0.15 | 0.52 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.80 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 45 | 89 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.45* | 1.6 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.14* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.7 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.6 | mg/Kg DWB | 1 | 0.18 | 0.66 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.098 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 14000 | mg/Kg DWB | 10 | 8.3 | 31 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [5.9] | mg/Kg DWB | 1 | 4.8 | 18 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 45 | 89 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.098 | 0.30 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 1.0 | 3.8 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 11 | 39 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 0.98 | 3.6 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.9 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.26 | 0.95 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 26 | mg/Kg DWB | 1 | 0.20 | 0.60 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDUP05-0405 NLS ID: 368500
Ref. Line 9 COC 76410 Soil, NS-SQDUP05-0405 Matrix: SO
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 5.6 | 21 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 85 | mg/Kg DWB | 1 | 0.13 | 0.27 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.53] | mg/Kg DWB | 10 | 0.27 | 0.93 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.72 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 32000 | mg/Kg DWB | 10 | 40 | 80 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.40* | 1.4 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.17 | mg/Kg DWB | 2 | 0.16* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.40 | 1.4 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.4 | mg/Kg DWB | 1 | 0.37 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.16 | 0.58 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 7.4 | 28 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.4] | mg/Kg DWB | 1 | 4.3 | 16 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 40 | 80 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.088 | 0.27 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 0.93 | 3.4 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 9.6 | 35 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 0.88 | 3.2 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.2 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.23 | 0.85 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 43 | mg/Kg DWB | 1 | 0.18 | 0.53 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

Soil, SQMEOH Blank3-0405 NLS ID: 368501
Ref. Line 10 COC 76411 Soil, SQMEOH Blank3-0405 Matrix: SO
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368482 Soil, NS-SOGP114-1-3 MS/MSD Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | [84] | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 130 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 190 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 180 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [86] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [69] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 120 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 120 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [69] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [92] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 220 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [110] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368483 Soil, NS-SOGP114-4-6 Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 12000 | ug/Kg | 100 | 3200 | 11000 |
| Acenaphthylene | 30000 | ug/Kg | 100 | 3100 | 10000 |
| Anthracene | [11000] | ug/Kg | 100 | 3800 | 13000 |
| Benzo[a]anthracene | [6100] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[a]pyrene | [4400] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 100 | 3300 | 11000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Chrysene | [5200] | ug/Kg | 100 | 3600 | 12000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 100 | 3400 | 11000 |
| Dibenzofuran | [7000] | ug/Kg | 100 | 3200 | 11000 |
| Fluoranthene | 12000 | ug/Kg | 100 | 3700 | 12000 |
| Fluorene | 16000 | ug/Kg | 100 | 3200 | 11000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 100 | 3100 | 10000 |
| 1-Methylnaphthalene | 97000 | ug/Kg | 100 | 3200 | 11000 |
| 2-Methylnaphthalene | 140000 | ug/Kg | 100 | 3100 | 10000 |
| 2-Methylphenol | ND | ug/Kg | 100 | 2600 | 8700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 100 | 5500 | 19000 |
| Naphthalene | 190000 | ug/Kg | 100 | 3100 | 10000 |
| Phenanthrene | 38000 | ug/Kg | 100 | 3700 | 12000 |
| Phenol | ND | ug/Kg | 100 | 2800 | 9400 |
| Pyrene | 16000 | ug/Kg | 100 | 3600 | 12000 |
| Benzo[e]pyrene | ND | ug/Kg | 100 | 3800 | 13000 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 54% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368484 Soil, NS-SOGP114-12-14 Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | 6700 | ug/Kg | 20 | 610 | 2000 |
| Anthracene | [2000] | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | [1000] | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [990] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | [1900] | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 2800 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 15000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 22000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 31000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 6500 | ug/Kg | 20 | 730 | 2400 |
| Phenol | [760] | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 2700 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 76% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 60% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368485 Soil, NS-SOGP117-2-4 Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 1700 | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 2700 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | 2600 | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 1400 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 1600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 1300 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [540] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [460] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1400 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | [590] | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 2800 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 3400 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 11000 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 15000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 5200 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 11000 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 4800 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [960] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 81% | | | | |
| Phenol-d5 (SURR**) | 82% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368486 Soil, NS-SOGP117-6-8 Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 5000 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | ND | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Fluorene | [1300] | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 8300 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 13000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 29000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | [1700] | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | ND | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 53% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368487 Soil, NS-SOGP117-14-16 Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 80 | 2600 | 8600 |
| Acenaphthylene | 19000 | ug/Kg | 80 | 2500 | 8200 |
| Anthracene | [9600] | ug/Kg | 80 | 3100 | 10000 |
| Benzo[a]anthracene | [6200] | ug/Kg | 80 | 2700 | 9100 |
| Benzo[a]pyrene | [6100] | ug/Kg | 80 | 2700 | 9100 |
| Benzo[b]fluoranthene | [4700] | ug/Kg | 80 | 3000 | 10000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 80 | 2600 | 8700 |
| Benzo[k]fluoranthene | ND | ug/Kg | 80 | 3100 | 10000 |
| Chrysene | [6000] | ug/Kg | 80 | 2900 | 9500 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 80 | 2700 | 9100 |
| Dibenzofuran | ND | ug/Kg | 80 | 2500 | 8400 |
| Fluoranthene | 11000 | ug/Kg | 80 | 3000 | 10000 |
| Fluorene | 9300 | ug/Kg | 80 | 2600 | 8700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 80 | 2500 | 8300 |
| 1-Methylnaphthalene | 40000 | ug/Kg | 80 | 2500 | 8400 |
| 2-Methylnaphthalene | 61000 | ug/Kg | 80 | 2500 | 8300 |
| 2-Methylphenol | ND | ug/Kg | 80 | 2100 | 7000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 80 | 4400 | 15000 |
| Naphthalene | 96000 | ug/Kg | 80 | 2500 | 8200 |
| Phenanthrene | 37000 | ug/Kg | 80 | 2900 | 9800 |
| Phenol | ND | ug/Kg | 80 | 2300 | 7500 |
| Pyrene | 21000 | ug/Kg | 80 | 2800 | 9500 |
| Benzo[e]pyrene | [3800] | ug/Kg | 80 | 3000 | 10000 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 40% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368488 Soil, NS-SOGP105-2-4 Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 23000 | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | 6100 | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | 11000 | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | 9400 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | 17000 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | 15000 | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | 10000 | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | [4900] | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | 11000 | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | [4300] | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | 15000 | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | 14000 | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | 5900 | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | 63000 | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | [2800] | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | 9700 | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | 31000 | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 25000 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | 13000 | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 121% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368489 Soil, NS-SQDUP03-0405 Collected: 04/20/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 16000 | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | [5000] | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | 7100 | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | 7900 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | 16000 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | 15000 | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | 10000 | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | [4400] | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | 9300 | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | [3000] | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | 12000 | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | 8800 | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | 5700 | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | 50000 | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | [2400] | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | 7800 | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | 20000 | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 21000 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | 13000 | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 112% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 50% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368490 Soil, NS-SOGP115-1-3 Collected: 04/21/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 54000 | ug/Kg | 500 | 16000 | 54000 |
| Acenaphthylene | [30000] | ug/Kg | 500 | 15000 | 51000 |
| Anthracene | 150000 | ug/Kg | 500 | 19000 | 64000 |
| Benzo[a]anthracene | 190000 | ug/Kg | 500 | 17000 | 57000 |
| Benzo[a]pyrene | 220000 | ug/Kg | 500 | 17000 | 57000 |
| Benzo[b]fluoranthene | 180000 | ug/Kg | 500 | 19000 | 63000 |
| Benzo[g,h,i]perylene | 86000 | ug/Kg | 500 | 16000 | 54000 |
| Benzo[k]fluoranthene | [56000] | ug/Kg | 500 | 19000 | 64000 |
| Chrysene | 200000 | ug/Kg | 500 | 18000 | 59000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 500 | 17000 | 57000 |
| Dibenzofuran | ND | ug/Kg | 500 | 16000 | 53000 |
| Fluoranthene | 390000 | ug/Kg | 500 | 19000 | 62000 |
| Fluorene | 100000 | ug/Kg | 500 | 16000 | 54000 |
| Indeno[1,2,3-cd]pyrene | [45000] | ug/Kg | 500 | 16000 | 52000 |
| 1-Methylnaphthalene | 230000 | ug/Kg | 500 | 16000 | 53000 |
| 2-Methylnaphthalene | [39000] | ug/Kg | 500 | 16000 | 52000 |
| 2-Methylphenol | ND | ug/Kg | 500 | 13000 | 43000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 500 | 27000 | 96000 |
| Naphthalene | 91000 | ug/Kg | 500 | 15000 | 51000 |
| Phenanthrene | 590000 | ug/Kg | 500 | 18000 | 61000 |
| Phenol | ND | ug/Kg | 500 | 14000 | 47000 |
| Pyrene | 670000 | ug/Kg | 500 | 18000 | 59000 |
| Benzo[e]pyrene | 150000 | ug/Kg | 500 | 19000 | 64000 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 448% | | | | |
| 2-Fluorobiphenyl (SURR**) | 115% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recoveries for Nitrobenzene-d5 and 2-Fluorobiphenyl were outside QC limits due to sample matrix.
The surrogate 2,4,6-Tribromophenol did not recover due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368491 Soil, NS-SOGP115-4-6 Collected: 04/21/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [4100] | ug/Kg | 80 | 2600 | 8600 |
| Acenaphthylene | ND | ug/Kg | 80 | 2500 | 8200 |
| Anthracene | ND | ug/Kg | 80 | 3100 | 10000 |
| Benzo[a]anthracene | ND | ug/Kg | 80 | 2700 | 9100 |
| Benzo[a]pyrene | ND | ug/Kg | 80 | 2700 | 9100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 80 | 3000 | 10000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 80 | 2600 | 8700 |
| Benzo[k]fluoranthene | ND | ug/Kg | 80 | 3100 | 10000 |
| Chrysene | ND | ug/Kg | 80 | 2900 | 9500 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 80 | 2700 | 9100 |
| Dibenzofuran | ND | ug/Kg | 80 | 2500 | 8400 |
| Fluoranthene | ND | ug/Kg | 80 | 3000 | 10000 |
| Fluorene | ND | ug/Kg | 80 | 2600 | 8700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 80 | 2500 | 8300 |
| 1-Methylnaphthalene | 40000 | ug/Kg | 80 | 2500 | 8400 |
| 2-Methylnaphthalene | 110000 | ug/Kg | 80 | 2500 | 8300 |
| 2-Methylphenol | ND | ug/Kg | 80 | 2100 | 7000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 80 | 4400 | 15000 |
| Naphthalene | 29000 | ug/Kg | 80 | 2500 | 8200 |
| Phenanthrene | [7500] | ug/Kg | 80 | 2900 | 9800 |
| Phenol | ND | ug/Kg | 80 | 2300 | 7500 |
| Pyrene | [4700] | ug/Kg | 80 | 2800 | 9500 |
| Benzo[e]pyrene | ND | ug/Kg | 80 | 3000 | 10000 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 129% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.
The surrogate 2,4,6-Tribromophenol did not recover due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368492 Soil, NSQDUP04-0405 Collected: 04/21/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 600 | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | [130] | ug/Kg | 2 | 61 | 200 |
| Anthracene | 480 | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 350 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 340 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | 280 | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [100] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | [100] | ug/Kg | 2 | 76 | 250 |
| Chrysene | 340 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | [76] | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 700 | ug/Kg | 2 | 75 | 250 |
| Fluorene | 430 | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | 1400 | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | 2600 | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | 1500 | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 1700 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 1000 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [210] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 56% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368493 Soil, NS-SOGP115-14-16 Collected: 04/21/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 780 | ug/Kg | 4 | 130 | 430 |
| Acenaphthylene | ND | ug/Kg | 4 | 120 | 410 |
| Anthracene | [440] | ug/Kg | 4 | 150 | 510 |
| Benzo[a]anthracene | [250] | ug/Kg | 4 | 140 | 460 |
| Benzo[a]pyrene | [210] | ug/Kg | 4 | 140 | 450 |
| Benzo[b]fluoranthene | [190] | ug/Kg | 4 | 150 | 500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 4 | 130 | 430 |
| Benzo[k]fluoranthene | ND | ug/Kg | 4 | 150 | 510 |
| Chrysene | [250] | ug/Kg | 4 | 140 | 480 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 4 | 140 | 450 |
| Dibenzofuran | ND | ug/Kg | 4 | 130 | 420 |
| Fluoranthene | 560 | ug/Kg | 4 | 150 | 500 |
| Fluorene | 480 | ug/Kg | 4 | 130 | 430 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 4 | 120 | 420 |
| 1-Methylnaphthalene | 2000 | ug/Kg | 4 | 130 | 420 |
| 2-Methylnaphthalene | 4100 | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | ND | ug/Kg | 4 | 100 | 350 |
| 3 & 4-Methylphenol | ND | ug/Kg | 4 | 220 | 770 |
| Naphthalene | 2600 | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | 1800 | ug/Kg | 4 | 150 | 490 |
| Phenol | ND | ug/Kg | 4 | 110 | 380 |
| Pyrene | 900 | ug/Kg | 4 | 140 | 470 |
| Benzo[e]pyrene | ND | ug/Kg | 4 | 150 | 510 |
| 2-Fluorophenol (SURR**) | 50% | | | | |
| Phenol-d5 (SURR**) | 57% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 44% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368494 Soil, NS-SOGP120-0-2 Collected: 04/21/05 Analyzed: 05/02/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | 260 | ug/Kg | 2 | 61 | 200 |
| Anthracene | [140] | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 710 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 870 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | 1100 | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | 310 | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | 370 | ug/Kg | 2 | 76 | 250 |
| Chrysene | 850 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 800 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | [150] | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | [81] | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | [120] | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | [85] | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 500 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 1500 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | 740 | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Perylene-d12 internal standard area recovered outside QC limits.

Results for compounds associated with this internal standard may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368495 Soil, NS-SOGP120-4-6 MS/MSD Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 55% | | | | |
| Phenol-d5 (SURR**) | 60% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368496 Soil, NS-SOGP120-10-12 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368497 Soil, NS-SOGP123-1-3 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [74] | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | [120] | ug/Kg | 2 | 61 | 200 |
| Anthracene | [230] | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 900 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 1100 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | 1200 | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | 530 | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | 410 | ug/Kg | 2 | 76 | 250 |
| Chrysene | 1100 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | [120] | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 1800 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | 320 | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | [86] | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | [94] | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | [77] | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 1300 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 2600 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | 880 | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 56% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368498 Soil, NS-SOGP123-6-8 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 61% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368499 Soil, NS-SOGP123-10-12 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

Sample: 368500 Soil, NS-SQDUP05-0405 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368482 Soil, NS-SOGP114-1-3 MS/MSD Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [19] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [29] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 122% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

Sample: 368483 Soil, NS-SOGP114-4-6 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 15000 | ug/kg | 50 | 760 | 2500 |
| sec-Butylbenzene | ND | ug/kg | 50 | 960 | 3200 |
| Ethylbenzene | 36000 | ug/kg | 50 | 770 | 2600 |
| ortho-Xylene | 13000 | ug/kg | 50 | 640 | 2100 |
| Styrene | ND | ug/kg | 50 | 860 | 2900 |
| Toluene | 29000 | ug/kg | 50 | 530 | 1700 |
| 1,2,4-Trimethylbenzene | 18000 | ug/kg | 50 | 730 | 2500 |
| 1,3,5-Trimethylbenzene | 5000 | ug/kg | 50 | 820 | 2700 |
| meta,para-Xylene | 27000 | ug/kg | 50 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | 6400 | ug/kg | 50 | 940 | 3200 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368484 Soil, NS-SOGP114-12-14 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 11000 | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 2300 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 3800 | ug/kg | 10 | 130 | 420 |
| Styrene | 9200 | ug/kg | 10 | 170 | 580 |
| Toluene | 15000 | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 5000 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | 1400 | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 8500 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | 1600 | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

Sample: 368485 Soil, NS-SOGP117-2-4 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 330 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | ND | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | [98] | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 730 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | [160] | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample was diluted due to non-target compounds.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368486 Soil, NS-SOGP117-6-8 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7500 | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 10000 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 3300 | ug/kg | 10 | 130 | 420 |
| Styrene | ND | ug/kg | 10 | 170 | 580 |
| Toluene | 2200 | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 4100 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | 1400 | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 6900 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

Sample was diluted due to high level of Naphthalene.

Sample: 368487 Soil, NS-SOGP117-14-16 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7300 | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 2000 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 3800 | ug/kg | 10 | 130 | 420 |
| Styrene | 8400 | ug/kg | 10 | 170 | 580 |
| Toluene | 17000 | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 5000 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | 1400 | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 7900 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | 1700 | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368488 Soil, NS-SOGP105-2-4 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4600 | ug/kg | 25 | 380 | 1300 |
| sec-Butylbenzene | 3500 | ug/kg | 25 | 480 | 1600 |
| Ethylbenzene | 8300 | ug/kg | 25 | 390 | 1300 |
| ortho-Xylene | 2400 | ug/kg | 25 | 320 | 1100 |
| Styrene | ND | ug/kg | 25 | 430 | 1400 |
| Toluene | 1100 | ug/kg | 25 | 260 | 840 |
| 1,2,4-Trimethylbenzene | 12000 | ug/kg | 25 | 370 | 1200 |
| 1,3,5-Trimethylbenzene | 3900 | ug/kg | 25 | 410 | 1400 |
| meta,para-Xylene | 2400 | ug/kg | 25 | 630 | 2200 |
| 1,2,3-Trimethylbenzene | 7000 | ug/kg | 25 | 470 | 1600 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample was diluted due to non-target compounds.

Sample: 368489 Soil, NS-SQDUP03-0405 Collected: 04/20/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3900 | ug/kg | 50 | 760 | 2500 |
| sec-Butylbenzene | [2900] | ug/kg | 50 | 960 | 3200 |
| Ethylbenzene | 6300 | ug/kg | 50 | 770 | 2600 |
| ortho-Xylene | [1800] | ug/kg | 50 | 640 | 2100 |
| Styrene | ND | ug/kg | 50 | 860 | 2900 |
| Toluene | [1000] | ug/kg | 50 | 530 | 1700 |
| 1,2,4-Trimethylbenzene | 9400 | ug/kg | 50 | 730 | 2500 |
| 1,3,5-Trimethylbenzene | 3100 | ug/kg | 50 | 820 | 2700 |
| meta,para-Xylene | [2000] | ug/kg | 50 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | 5500 | ug/kg | 50 | 940 | 3200 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample was diluted due to non-target compounds.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368490 Soil, NS-SOGP115-1-3 Collected: 04/21/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5100 | ug/kg | 100 | 1500 | 5100 |
| sec-Butylbenzene | ND | ug/kg | 100 | 1900 | 6400 |
| Ethylbenzene | 5900 | ug/kg | 100 | 1500 | 5200 |
| ortho-Xylene | [2300] | ug/kg | 100 | 1300 | 4200 |
| Styrene | ND | ug/kg | 100 | 1700 | 5800 |
| Toluene | [1600] | ug/kg | 100 | 1100 | 3400 |
| 1,2,4-Trimethylbenzene | 15000 | ug/kg | 100 | 1500 | 4900 |
| 1,3,5-Trimethylbenzene | [5400] | ug/kg | 100 | 1600 | 5500 |
| meta,para-Xylene | ND | ug/kg | 100 | 2500 | 8900 |
| 1,2,3-Trimethylbenzene | 8600 | ug/kg | 100 | 1900 | 6300 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 121% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

Sample was diluted due to non-target compounds.

Sample: 368491 Soil, NS-SOGP115-4-6 Collected: 04/21/05 Analyzed: 04/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6500 | ug/kg | 50 | 760 | 2500 |
| sec-Butylbenzene | [1500] | ug/kg | 50 | 960 | 3200 |
| Ethylbenzene | 6200 | ug/kg | 50 | 770 | 2600 |
| ortho-Xylene | 2400 | ug/kg | 50 | 640 | 2100 |
| Styrene | ND | ug/kg | 50 | 860 | 2900 |
| Toluene | 1900 | ug/kg | 50 | 530 | 1700 |
| 1,2,4-Trimethylbenzene | 11000 | ug/kg | 50 | 730 | 2500 |
| 1,3,5-Trimethylbenzene | [2600] | ug/kg | 50 | 820 | 2700 |
| meta,para-Xylene | [3600] | ug/kg | 50 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | 5600 | ug/kg | 50 | 940 | 3200 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

Sample was diluted due to non-target compounds.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368492 Soil, NSQDUP04-0405 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [190] | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 1200 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 800 | ug/kg | 10 | 130 | 420 |
| Styrene | ND | ug/kg | 10 | 170 | 580 |
| Toluene | ND | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 1500 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | [420] | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 1400 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample was diluted due to non-target compounds.

Sample: 368493 Soil, NS-SOGP115-14-16 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 120 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 490 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 210 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 1000 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 420 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 120 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 370 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 160 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample was diluted due to non-target compounds.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368494 Soil, NS-SOGP120-0-2 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [21] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [20] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [35] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 580 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [40] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [75] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

Sample: 368495 Soil, NS-SOGP120-4-6 MS/MSD Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample: 368496 Soil, NS-SOGP120-10-12 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368497 Soil, NS-SOGP123-1-3 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [18] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [20] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [27] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 49 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [22] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [41] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 368498 Soil, NS-SOGP123-6-8 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [15] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample: 368499 Soil, NS-SOGP123-10-12 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

Sample: 368500 Soil, NS-SQDUP05-0405 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample: 368501 Soil, SQMEOH Blank3-0405 Collected: 04/21/05 Analyzed: 04/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [13] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP128-1-3 NLS ID: 368502
Ref. Line 1 COC 76410 Soil, NS-SOGP128-1-3 Matrix: SO
Collected: 04/21/05 11:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9200 | mg/Kg DWB | 1 | 7.0 | 26 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.8 | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 180 | mg/Kg DWB | 1 | 0.17 | 0.33 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.8 | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.31] | mg/Kg DWB | 1 | 0.25 | 0.90 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8500 | mg/Kg DWB | 10 | 50 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.2 | mg/Kg DWB | 1 | 0.47 | 1.6 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 61 | mg/Kg DWB | 1 | 0.20 | 0.73 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.3 | 35 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 140 | mg/Kg DWB | 1 | 5.4 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4600 | mg/Kg DWB | 10 | 50 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.2 | 4.2 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 900 | mg/Kg DWB | 1 | 12 | 44 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.7] | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 330 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.8 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 170 | mg/Kg DWB | 1 | 0.22 | 0.67 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP128-4-6 NLS ID: 368503
Ref. Line 1 COC 76411 Soil, NS-SOGP128-4-6 Matrix: SO
Collected: 04/21/05 11:40 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 7.2 | 27 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 3.3 | mg/Kg DWB | 20 | 0.83 | 2.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 90 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.86 | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.93 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8600 | mg/Kg DWB | 10 | 52 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.52* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.1 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.76 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.6 | 36 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 28 | mg/Kg DWB | 1 | 5.6 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6000 | mg/Kg DWB | 10 | 52 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 12 | 45 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.97 | 3.3 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.2 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 42 | mg/Kg DWB | 1 | 0.23 | 0.69 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP128-10-12 NLS ID: 368504
Ref. Line 2 COC 76411 Soil, NS-SOGP128-10-12 Matrix: SO
Collected: 04/21/05 11:50 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7000 | mg/Kg DWB | 1 | 6.4 | 24 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 37 | mg/Kg DWB | 1 | 0.15 | 0.30 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.39] | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.82 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 12000 | mg/Kg DWB | 10 | 46 | 91 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.14* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 12 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.5 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.6 | mg/Kg DWB | 1 | 0.18 | 0.67 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 12000 | mg/Kg DWB | 10 | 8.5 | 32 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.9 | 18 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 46 | 91 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.10 | 0.30 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.084 | 0.30 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 9.4 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1000 | mg/Kg DWB | 1 | 11 | 40 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 99 | mg/Kg DWB | 1 | 1.0 | 3.6 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 94.0 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 23 | mg/Kg DWB | 1 | 0.26 | 0.97 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 22 | mg/Kg DWB | 1 | 0.20 | 0.61 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP131-0-2 NLS ID: 368505
Ref. Line 3 COC 76411 Soil, NS-SOGP131-0-2 Matrix: SO
Collected: 04/21/05 12:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8000 | mg/Kg DWB | 1 | 6.2 | 23 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.6] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.15 | 0.29 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.93 | mg/Kg DWB | 5 | 0.15 | 0.52 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.80 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8300 | mg/Kg DWB | 10 | 44 | 88 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 15 | mg/Kg DWB | 1 | 0.44* | 1.6 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 15 | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.41 | 1.4 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 28 | mg/Kg DWB | 1 | 0.17 | 0.65 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 8.3 | 31 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 75 | mg/Kg DWB | 1 | 4.8 | 17 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4000 | mg/Kg DWB | 10 | 44 | 88 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.097 | 0.29 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 11 | 39 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 0.97 | 3.5 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.5 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.26 | 0.94 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 92 | mg/Kg DWB | 1 | 0.20 | 0.59 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP131-6-8 NLS ID: 368506
Ref. Line 4 COC 76411 Soil, NS-SOGP131-6-8 Matrix: SO
Collected: 04/21/05 12:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 18000 | mg/Kg DWB | 1 | 7.9 | 29 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.1 | 4.1 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 83 | mg/Kg DWB | 1 | 0.19 | 0.38 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.81 | mg/Kg DWB | 5 | 0.19 | 0.66 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3500 | mg/Kg DWB | 10 | 56 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 31 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.38 | mg/Kg DWB | 2 | 0.19* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 31 | mg/Kg DWB | 1 | 0.56 | 2.0 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.53 | 1.8 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.22 | 0.83 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.14] | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 11 | 39 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 6.1 | 22 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 56 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.12 | 0.38 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 14 | 49 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 2.0 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.6 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.33 | 1.2 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.25 | 0.75 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

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**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP131-10-12 NLS ID: 368507
Ref. Line 5 COC 76411 Soil, NS-SOGP131-10-12 Matrix: SO
Collected: 04/21/05 12:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9600 | mg/Kg DWB | 1 | 6.5 | 24 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.1 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.91 | 3.2 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 54 | mg/Kg DWB | 1 | 0.15 | 0.31 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.71 | mg/Kg DWB | 5 | 0.15 | 0.54 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.83 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 20000 | mg/Kg DWB | 10 | 46 | 92 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.5 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 14 | mg/Kg DWB | 1 | 0.18 | 0.68 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 8.6 | 32 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.0 | 18 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7200 | mg/Kg DWB | 10 | 46 | 92 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 240 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.31 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 11 | 40 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 2.7 | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 89.1 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 27 | mg/Kg DWB | 1 | 0.21 | 0.61 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP134-1-3 NLS ID: 368508
Ref. Line 6 COC 76411 Soil, NS-SOGP134-1-3 Matrix: SO
Collected: 04/21/05 13:15 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9300 | mg/Kg DWB | 1 | 7.0 | 26 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 9.5 | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.17 | 0.33 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.52] | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.63] | mg/Kg DWB | 1 | 0.25 | 0.90 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 50 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.47 | 1.6 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 44 | mg/Kg DWB | 1 | 0.20 | 0.73 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 9.3 | 35 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 390 | mg/Kg DWB | 1 | 5.4 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5200 | mg/Kg DWB | 10 | 50 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.18] | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.2 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 12 | 44 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.8] | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 210 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.6 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.5 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 25 | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 270 | mg/Kg DWB | 1 | 0.22 | 0.67 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

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**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
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**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP134-10-12 NLS ID: 368509
Ref. Line 7 COC 76411 Soil, NS-SOGP134-10-12 Matrix: SO
Collected: 04/21/05 14:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 19000 | mg/Kg DWB | 1 | 7.9 | 29 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.6 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.2] | mg/Kg DWB | 20 | 1.7 | 6.0 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.19 | 0.37 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.2 | mg/Kg DWB | 5 | 0.19 | 0.65 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 42000 | mg/Kg DWB | 10 | 56 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 32 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.34 | mg/Kg DWB | 2 | 0.25* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 32 | mg/Kg DWB | 1 | 0.56 | 2.0 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 28 | mg/Kg DWB | 1 | 0.22 | 0.82 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.44] | mg/Kg DWB | 1 | 0.17 | 0.51 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 27000 | mg/Kg DWB | 10 | 10 | 39 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 23 | mg/Kg DWB | 1 | 6.1 | 22 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 56 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 440 | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.47 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 25 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3400 | mg/Kg DWB | 1 | 13 | 49 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 2.0 | 6.9 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 60.0 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.5 | 9.0 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 48 | mg/Kg DWB | 1 | 0.33 | 1.2 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 60 | mg/Kg DWB | 1 | 0.25 | 0.75 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP134-14-16 NLS ID: 368510
Ref. Line 8 COC 76411 Soil, NS-SOGP134-14-16 Matrix: SO
Collected: 04/21/05 13:40 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.2 | 27 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.2] | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 62 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.74 | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.93 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 52 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.52* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.16* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 15 | mg/Kg DWB | 1 | 0.20 | 0.76 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.6 | 36 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.6] | mg/Kg DWB | 1 | 5.6 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7500 | mg/Kg DWB | 10 | 52 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 12 | 45 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.4 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.23 | 0.69 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

Soil, SQMeoHBlank 4-0405 NLS ID: 368511
Ref. Line COC 76411 Soil, SQMeoHBlank 4-0405 Matrix: TB
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP137-0-2 NLS ID: 368521
Ref. Line 1 COC 76412 Soil, NS-SOGP137-0-2 Matrix: SO
Collected: 04/21/05 14:10 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 8.6 | 32 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.3 | mg/Kg DWB | 20 | 1.1 | 4.1 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 150 | mg/Kg DWB | 1 | 0.20 | 0.41 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.82 | mg/Kg DWB | 5 | 0.20 | 0.72 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.60] | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 14000 | mg/Kg DWB | 10 | 61 | 120 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWV | 1 | 0.61* | 2.2 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.61 | 2.2 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.5 | mg/Kg DWB | 1 | 0.57 | 2.0 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 56 | mg/Kg DWB | 1 | 0.24 | 0.90 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.5 | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 11 | 42 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 210 | mg/Kg DWB | 1 | 6.6 | 24 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7000 | mg/Kg DWB | 10 | 61 | 120 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.13 | 0.41 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.27] | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 21 | mg/Kg DWB | 1 | 1.4 | 5.2 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 15 | 54 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.4] | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.59 | 2.1 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 340 | mg/Kg DWB | 1 | 1.3 | 4.9 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.5 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 38 | mg/Kg DWB | 1 | 0.36 | 1.3 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 180 | mg/Kg DWB | 1 | 0.27 | 0.82 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP137-14-16 NLS ID: 368522
Ref. Line 2 COC 76412 Soil, NS-SOGP137-14-16 Matrix: SO
Collected: 04/21/05 15:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 5.9 | 22 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 75 | mg/Kg DWB | 1 | 0.14 | 0.28 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.0 | mg/Kg DWB | 5 | 0.14 | 0.49 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.76 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 10000 | mg/Kg DWB | 10 | 42 | 84 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWV | 1 | 0.42* | 1.5 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 25 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.9 | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.17 | 0.0062 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 7.9 | 29 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 17 | mg/Kg DWB | 1 | 4.6 | 17 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6800 | mg/Kg DWB | 10 | 42 | 84 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.093 | 0.28 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.13] | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 0.98 | 3.6 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 10 | 37 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.41 | 1.5 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 0.93 | 3.4 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.0 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 36 | mg/Kg DWB | 1 | 0.24 | 0.90 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 40 | mg/Kg DWB | 1 | 0.19 | 0.56 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP138-1-3 NLS ID: 368523
Ref. Line 3 COC 76412 Soil, NS-SOGP138-1-3 Matrix: SO
Collected: 04/21/05 16:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.6 | 28 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.7] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 5 | 0.18 | 0.64 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.54] | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 55 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWV | 1 | 0.55* | 1.9 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.55 | 1.9 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.21 | 0.80 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 10 | 38 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 31 | mg/Kg DWB | 1 | 5.9 | 21 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 55 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 13 | 48 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.4 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.32 | 1.2 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 58 | mg/Kg DWB | 1 | 0.24 | 0.73 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/04/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP138-4-6 NLS ID: 368524
Ref. Line 4 COC 76412 Soil, NS-SOGP138-4-6 Matrix: SO
Collected: 04/21/05 16:10 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.1 | 26 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.1] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 69 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.78 | mg/Kg DWB | 5 | 0.17 | 0.59 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 51 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWV | 1 | 0.51* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.20 | 0.75 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.5 | 35 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 26 | mg/Kg DWB | 1 | 5.5 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 51 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 12 | 44 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.3 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 52 | mg/Kg DWB | 1 | 0.23 | 0.68 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/04/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88868**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP138-10-12 NLS ID: 368525
Ref. Line 5 COC 76412 Soil, NS-SOGP138-10-12 Matrix: SO
Collected: 04/21/05 16:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 20000 | mg/Kg DWB | 1 | 8.3 | 31 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.7] | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.20 | 0.40 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.1 | mg/Kg DWB | 5 | 0.20 | 0.70 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3800 | mg/Kg DWB | 10 | 60 | 120 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 35 | mg/Kg DWV | 1 | 0.60* | 2.1 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.18* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 35 | mg/Kg DWB | 1 | 0.60 | 2.1 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.56 | 1.9 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.23 | 0.87 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 11 | 41 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [19] | mg/Kg DWB | 1 | 6.4 | 23 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7300 | mg/Kg DWB | 10 | 60 | 120 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 25 | mg/Kg DWB | 1 | 1.4 | 5.0 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 14 | 52 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.58 | 2.1 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.1 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.35 | 1.3 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.27 | 0.80 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/04/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88868**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup 06-0405 NLS ID: 368526
Ref. Line 6 COC 76412 Soil, NS-SQDup 06-0405 Matrix: SO
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.6 | 28 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.98 | 3.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.66 | mg/Kg DWB | 5 | 0.18 | 0.64 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3300 | mg/Kg DWB | 10 | 55 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWV | 1 | 0.55* | 1.9 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.37 | mg/Kg DWB | 2 | 0.18* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.55 | 1.9 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.8 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.21 | 0.80 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 10 | 38 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 5.9 | 21 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4400 | mg/Kg DWB | 10 | 55 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 13 | 48 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [0.87] | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.1 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.32 | 1.2 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 34 | mg/Kg DWB | 1 | 0.24 | 0.73 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/04/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368502 Soil, NS-SOGP128-1-3 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [220] | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | 740 | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | 880 | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | 1200 | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | [390] | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | [370] | ug/Kg | 5 | 190 | 640 |
| Chrysene | 910 | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | 930 | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | [230] | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | [480] | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 1500 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | 740 | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 76% | | | | |
| Phenol-d5 (SURR**) | 82% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 101% | | | | |

5 mL final extract volume.
Sample was diluted due to non-target compounds.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368503 Soil, NS-SOGP128-4-6 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 31000 | ug/Kg | 100 | 3200 | 11000 |
| Acenaphthylene | [5200] | ug/Kg | 100 | 3100 | 10000 |
| Anthracene | 15000 | ug/Kg | 100 | 3800 | 13000 |
| Benzo[a]anthracene | [9100] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[a]pyrene | [6800] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[b]fluoranthene | [6400] | ug/Kg | 100 | 3800 | 13000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 100 | 3300 | 11000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Chrysene | [8800] | ug/Kg | 100 | 3600 | 12000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 100 | 3400 | 11000 |
| Dibenzofuran | [6500] | ug/Kg | 100 | 3200 | 11000 |
| Fluoranthene | 17000 | ug/Kg | 100 | 3700 | 12000 |
| Fluorene | 21000 | ug/Kg | 100 | 3200 | 11000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 100 | 3100 | 10000 |
| 1-Methylnaphthalene | 110000 | ug/Kg | 100 | 3200 | 11000 |
| 2-Methylnaphthalene | 140000 | ug/Kg | 100 | 3100 | 10000 |
| 2-Methylphenol | ND | ug/Kg | 100 | 2600 | 8700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 100 | 5500 | 19000 |
| Naphthalene | 100000 | ug/Kg | 100 | 3100 | 10000 |
| Phenanthrene | 66000 | ug/Kg | 100 | 3700 | 12000 |
| Phenol | ND | ug/Kg | 100 | 2800 | 9400 |
| Pyrene | 25000 | ug/Kg | 100 | 3600 | 12000 |
| Benzo[e]pyrene | [4200] | ug/Kg | 100 | 3800 | 13000 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 103% | | | | |
| 2-Fluorobiphenyl (SURR**) | 97% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 41% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368504 Soil, NS-SOGP128-10-12 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368505 Soil, NS-SOGP131-0-2 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [310] | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | 1300 | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | 2100 | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | 2500 | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | 1000 | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | 810 | ug/Kg | 5 | 190 | 640 |
| Chrysene | 1600 | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | 1600 | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | 540 | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | [210] | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | [240] | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | [580] | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 2800 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | 1800 | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 70% | | | | |
| Phenol-d5 (SURR**) | 73% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 90% | | | | |

5 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368506 Soil, NS-SOGP131-6-8 Collected: 04/21/05 Analyzed: 05/03/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 6200 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [850] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 2700 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | [1800] | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1700] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1700] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [1700] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [870] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 3300 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 3200 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 15000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 22000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 28000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 10000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 4800 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1100] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 54% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368507 Soil, NS-SOGP131-10-12 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [85] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | [98] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [58] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [41] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [51] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [37] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [110] | ug/Kg | 1 | 37 | 120 |
| Fluorene | 110 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 450 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 660 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 570 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 380 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 150 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 52% | | | | |
| Phenol-d5 (SURR**) | 56% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368508 Soil, NS-SOGP134-1-3 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | [380] | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [960] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 1400 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 1900 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [690] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [580] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1200 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [1000] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [520] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1800 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 1400 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 89% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries
for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368509 Soil, NS-SOGP134-10-12 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 1400 | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | ND | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 1800 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 7000 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 16000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 20000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 4300 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | ND | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368510 Soil, NS-SOGP134-14-16 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [61] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | [51] | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [67] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 84% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368521 Soil, NS-SOGP137-0-2 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | ND | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | ND | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | [2300] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | [4900] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | [5300] | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | [4100] | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | [3500] | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | [3400] | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | ND | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | [2600] | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | ND | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | [2500] | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 6800 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | [5200] | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 91% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 56% | | | | |
| Terphenyl-d14 (SURR**) | 88% | | | | |

10 mL final extract volume.
Sample was diluted due to non-target compounds.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368522 Soil, NS-SOGP137-14-16 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 150 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 140 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 170 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [51] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [58] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 150 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 270 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [40] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [57] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 140 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 280 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [93] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 53% | | | | |
| Phenol-d5 (SURR**) | 58% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 70% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368523 Soil, NS-SOGP138-1-3 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368524 Soil, NS-SOGP138-4-6 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 59% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368525 Soil, NS-SOGP138-10-12 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [38] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

Sample: 368526 Soil, NS-SQDup 06-0405 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 60% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 60% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

Sample: 368502 Soil, NS-SOGP128-1-3 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [21] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [25] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 58 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 99 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [45] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [83] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample: 368503 Soil, NS-SOGP128-4-6 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [650] | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 6600 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 3500 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | 1100 | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 18000 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 5100 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 3100 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | 6200 | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Sample diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

Sample: 368504 Soil, NS-SOGP128-10-12 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample: 368505 Soil, NS-SOGP131-0-2 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [39] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [51] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 110 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 140 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 74 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 150 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 112% | | | | |
| Toluene-d8 (SURR**) | 124% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

Sample: 368506 Soil, NS-SOGP131-6-8 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2800 | ug/kg | 4 | 61 | 200 |
| sec-Butylbenzene | ND | ug/kg | 4 | 77 | 260 |
| Ethylbenzene | 8900 | ug/kg | 4 | 62 | 210 |
| ortho-Xylene | 3800 | ug/kg | 4 | 51 | 170 |
| Styrene | ND | ug/kg | 4 | 69 | 230 |
| Toluene | 550 | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | 4900 | ug/kg | 4 | 59 | 200 |
| 1,3,5-Trimethylbenzene | 1300 | ug/kg | 4 | 66 | 220 |
| meta,para-Xylene | 7500 | ug/kg | 4 | 100 | 360 |
| 1,2,3-Trimethylbenzene | 1700 | ug/kg | 4 | 76 | 250 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

Sample: 368507 Soil, NS-SOGP131-10-12 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [42] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 110 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 64 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [12] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 200 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [51] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 110 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample collection weight exceeded 35 grams.

Sample: 368508 Soil, NS-SOGP134-1-3 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [17] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [23] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [23] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

Sample: 368509 Soil, NS-SOGP134-10-12 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5500 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 5400 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 2100 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 91 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 1600 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 540 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 2900 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 650 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Sample: 368510 Soil, NS-SOGP134-14-16 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [39] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 73 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [31] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 91 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 88 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [24] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [40] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

Sample: 368511 Soil, SQMeoHBlank 4-0405 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [12] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

Sample: 368521 Soil, NS-SOGP137-0-2 Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 4 | 61 | 200 |
| sec-Butylbenzene | ND | ug/kg | 4 | 77 | 260 |
| Ethylbenzene | 310 | ug/kg | 4 | 62 | 210 |
| ortho-Xylene | [77] | ug/kg | 4 | 51 | 170 |
| Styrene | ND | ug/kg | 4 | 69 | 230 |
| Toluene | [86] | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | [180] | ug/kg | 4 | 59 | 200 |
| 1,3,5-Trimethylbenzene | 450 | ug/kg | 4 | 66 | 220 |
| meta,para-Xylene | ND | ug/kg | 4 | 100 | 360 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 4 | 76 | 250 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

Sample: 368522 Soil, NS-SOGP137-14-16 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4500 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 300 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 180 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 80 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 62 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [30] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 250 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample: 368523 Soil, NS-SOGP138-1-3 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

Sample: 368524 Soil, NS-SOGP138-4-6 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 670 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample: 368525 Soil, NS-SOGP138-10-12 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 2200 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample: 368526 Soil, NS-SQDup 06-0405 Collected: 04/21/05 Analyzed: 05/04/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 720 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP139-0-2 NLS ID: 368527
Ref. Line 7 COC 76412(C) Soil, NS-SOGP139-0-2 Matrix: SO
Collected: 04/22/05 08:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8400 | mg/Kg DWB | 1 | 7.6 | 28 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.59] | mg/Kg DWB | 5 | 0.18 | 0.63 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.51] | mg/Kg DWB | 1 | 0.27 | 0.97 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 54 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.0 | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 51 | mg/Kg DWB | 1 | 0.21 | 0.79 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 10 | 37 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 68 | mg/Kg DWB | 1 | 5.8 | 21 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5500 | mg/Kg DWB | 10 | 54 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 1.1 | mg/Kg DWB | 1 | 0.092 | 0.32 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1000 | mg/Kg DWB | 1 | 13 | 47 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [0.61] | mg/Kg DWB | 1 | 0.52 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.2 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.31 | 1.2 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 130 | mg/Kg DWB | 1 | 0.24 | 0.72 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP139-10-12 NLS ID: 368528
Ref. Line 8 COC 76412(C) Soil, NS-SOGP139-10-12 Matrix: SO
Collected: 04/22/05 08:15 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2400 | mg/Kg DWB | 1 | 6.7 | 25 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.3] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.94] | mg/Kg DWB | 20 | 0.85 | 3.0 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 10 | mg/Kg DWB | 1 | 0.16 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.0 | mg/Kg DWB | 2 | 0.063 | 0.22 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.86 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1700 | mg/Kg DWB | 10 | 48 | 95 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.7 | mg/Kg DWB | 1 | 0.48* | 1.7 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.7 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.6 | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 3.2 | mg/Kg DWB | 1 | 0.19 | 0.70 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6600 | mg/Kg DWB | 10 | 8.9 | 33 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1300 | mg/Kg DWB | 10 | 48 | 95 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 66 | mg/Kg DWB | 1 | 0.10 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.7 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 260 | mg/Kg DWB | 1 | 11 | 42 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 42 | mg/Kg DWB | 1 | 1.0 | 3.8 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.4 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 11 | mg/Kg DWB | 1 | 0.21 | 0.63 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP140-1-3 NLS ID: 368529
Ref. Line 9 COC 76412(C) Soil, NS-SOGP140-1-3 Matrix: SO
Collected: 04/22/05 08:35 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8700 | mg/Kg DWB | 1 | 6.4 | 24 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 0.90 | 3.2 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.15 | 0.31 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.35] | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.82 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 34000 | mg/Kg DWB | 10 | 46 | 92 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 16 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.7 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 37 | mg/Kg DWB | 1 | 0.18 | 0.67 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 8.6 | 32 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 42 | mg/Kg DWB | 1 | 4.9 | 18 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4300 | mg/Kg DWB | 10 | 46 | 92 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 240 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.37 | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 930 | mg/Kg DWB | 1 | 11 | 40 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.6 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 63 | mg/Kg DWB | 1 | 0.20 | 0.61 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP140-10-12 NLS ID: 368530
Ref. Line 10 COC 76412(C) Soil, NS-SOGP140-10-12 Matrix: SO
Collected: 04/22/05 08:50 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 20000 | mg/Kg DWB | 1 | 8.5 | 32 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.9] | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.20 | 0.40 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.1 | mg/Kg DWB | 5 | 0.20 | 0.71 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 29000 | mg/Kg DWB | 10 | 61 | 120 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 33 | mg/Kg DWB | 1 | 0.61* | 2.1 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.20* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 33 | mg/Kg DWB | 1 | 0.61 | 2.1 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.57 | 2.0 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 24 | mg/Kg DWB | 1 | 0.24 | 0.89 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 11 | 42 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 6.5 | 24 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 61 | 120 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.38 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 24 | mg/Kg DWB | 1 | 1.4 | 5.1 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 15 | 53 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.0 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.59 | 2.1 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.3 | 4.9 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 74.2 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.6 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 44 | mg/Kg DWB | 1 | 0.35 | 1.3 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 49 | mg/Kg DWB | 1 | 0.27 | 0.81 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup07-0405 NLS ID: 368531
Ref. Line 1 COC 76413 Soil, NS-SQDup07-0405 Matrix: SO
Collected: 04/22/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 21000 | mg/Kg DWB | 1 | 6.8 | 25 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.16 | 0.33 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.68] | mg/Kg DWB | 10 | 0.33 | 1.1 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 49 | 98 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 36 | mg/Kg DWB | 1 | 0.49* | 1.7 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 36 | mg/Kg DWB | 1 | 0.49 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 13 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.19 | 0.72 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 26000 | mg/Kg DWB | 10 | 9.1 | 34 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.3 | 19 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 49 | 98 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.37 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 29 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3000 | mg/Kg DWB | 1 | 12 | 43 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.0 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 75.8 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.5 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 46 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 55 | mg/Kg DWB | 1 | 0.22 | 0.65 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP141-0-2 NLS ID: 368532
Ref. Line 2 COC 76413 Soil, NS-SOGP141-0-2 Matrix: SO
Collected: 04/22/05 09:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 7.8 | 29 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.5] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 86 | mg/Kg DWB | 1 | 0.18 | 0.37 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.22] | mg/Kg DWB | 5 | 0.18 | 0.65 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.34] | mg/Kg DWB | 1 | 0.27 | 1.0 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 27000 | mg/Kg DWB | 10 | 55 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.55* | 2.0 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.55 | 2.0 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.9 | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 28 | mg/Kg DWB | 1 | 0.22 | 0.81 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.13] | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 12000 | mg/Kg DWB | 10 | 10 | 38 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 42 | mg/Kg DWB | 1 | 6.0 | 22 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3600 | mg/Kg DWB | 10 | 55 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.49 | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 9.5 | mg/Kg DWB | 1 | 1.3 | 4.7 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 13 | 48 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [1.3] | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 390 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.0 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 24 | mg/Kg DWB | 1 | 0.32 | 1.2 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 100 | mg/Kg DWB | 1 | 0.25 | 0.74 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP141-12-14 NLS ID: 368533
Ref. Line 3 COC 76413 Soil, NS-SOGP141-12-14 Matrix: SO
Collected: 04/22/05 09:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2200 | mg/Kg DWB | 1 | 6.7 | 25 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.83 | 2.9 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 11 | mg/Kg DWB | 1 | 0.16 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.13] | mg/Kg DWB | 2 | 0.064 | 0.22 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1100 | mg/Kg DWB | 10 | 48 | 96 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.5 | mg/Kg DWB | 1 | 0.48* | 1.7 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.4 | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 3.0 | mg/Kg DWB | 1 | 0.19 | 0.70 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6400 | mg/Kg DWB | 10 | 8.9 | 33 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1100 | mg/Kg DWB | 10 | 48 | 96 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 61 | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.4 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 250 | mg/Kg DWB | 1 | 11 | 42 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 46 | mg/Kg DWB | 1 | 1.1 | 3.8 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.3 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 18 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.4 | mg/Kg DWB | 1 | 0.21 | 0.64 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP142-0-2 NLS ID: 368534
Ref. Line 5 COC 76413 Soil, NS-SOGP142-0-2 Matrix: SO
Collected: 04/22/05 10:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 19000 | mg/Kg DWB | 1 | 7.5 | 28 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.68] | mg/Kg DWB | 10 | 0.36 | 1.2 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.96 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 54 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 34 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 34 | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 14 | mg/Kg DWB | 1 | 0.50 | 1.7 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 27 | mg/Kg DWB | 1 | 0.21 | 0.79 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 31000 | mg/Kg DWB | 10 | 10 | 37 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.6] | mg/Kg DWB | 1 | 5.8 | 21 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9400 | mg/Kg DWB | 10 | 54 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 29 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 13 | 47 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.7 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 51 | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 53 | mg/Kg DWB | 1 | 0.24 | 0.71 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP142-12-14 NLS ID: 368535
Ref. Line 6 COC 76413 Soil, NS-SOGP142-12-14 Matrix: SO
Collected: 04/22/05 11:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 17000 | mg/Kg DWB | 1 | 6.8 | 25 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.96 | 3.4 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 96 | mg/Kg DWB | 1 | 0.16 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.9 | mg/Kg DWB | 10 | 0.32 | 1.1 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 29000 | mg/Kg DWB | 10 | 48 | 97 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | mg/Kg DWB | 1 | 0.48* | 1.7 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.3 | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.19 | 0.71 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 26000 | mg/Kg DWB | 10 | 9.0 | 34 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 5.2 | 19 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 48 | 97 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 400 | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 24 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 12 | 42 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [1.3] | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.4 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 45 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 46 | mg/Kg DWB | 1 | 0.22 | 0.64 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP143-0-2 NLS ID: 368536
Ref. Line 7 COC 76413 Soil, NS-SOGP143-0-2 Matrix: SO
Collected: 04/22/05 11:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3700 | mg/Kg DWB | 1 | 7.4 | 27 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 0.88 | 3.1 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 27 | mg/Kg DWB | 1 | 0.18 | 0.35 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.18] | mg/Kg DWB | 2 | 0.070 | 0.25 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 6500 | mg/Kg DWB | 10 | 53 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.0 | mg/Kg DWB | 1 | 0.53* | 1.9 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.0 | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.9 | mg/Kg DWB | 1 | 0.49 | 1.7 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.4 | mg/Kg DWB | 1 | 0.21 | 0.77 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 7000 | mg/Kg DWB | 10 | 9.8 | 37 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 36 | mg/Kg DWB | 1 | 5.7 | 21 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2600 | mg/Kg DWB | 10 | 53 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 130 | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 6.5 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 420 | mg/Kg DWB | 1 | 13 | 46 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 64 | mg/Kg DWB | 1 | 1.2 | 4.2 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.3 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 28 | mg/Kg DWB | 1 | 0.24 | 0.70 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP143-6-8 NLS ID: 368537
Ref. Line 8 COC 76413 Soil, NS-SOGP143-6-8 Matrix: SO
Collected: 04/22/05 12:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 7.1 | 26 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.99 | 3.5 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.78 | mg/Kg DWB | 5 | 0.17 | 0.59 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 28000 | mg/Kg DWB | 10 | 51 | 100 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.0 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.75 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.5 | 35 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.5 | 20 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 51 | 100 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 360 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 12 | 44 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.3 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.23 | 0.68 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NS-SQMeOH Blank5-0405 NLS ID: 368538
Ref. Line 9 COC 76413 NS-SQMeOH Blank5-0405 Matrix: TB
Collected: 04/22/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88872**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368527 Soil, NS-SOGP139-0-2 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | ND | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Fluorene | ND | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | ND | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | ND | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | ND | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | ND | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | ND | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 77% | | | | |
| Phenol-d5 (SURR**) | 79% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 61% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368528 Soil, NS-SOGP139-10-12 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 17000 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [980] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 6600 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | 2600 | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1800] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1600] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [2300] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [1800] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 5600 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 7100 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 20000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 30000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 27000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 20000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 8300 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1000] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 73% | | | | |
| Phenol-d5 (SURR**) | 73% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 53% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368529 Soil, NS-SOGP140-1-3 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | ND | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Fluorene | ND | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | ND | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | ND | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | ND | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | ND | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | ND | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 43% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368530 Soil, NS-SOGP140-10-12 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368531 Soil, NS-SQDup07-0405 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 58% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368532 Soil, NS-SOGP141-0-2 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [52] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [60] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 51% | | | | |
| Phenol-d5 (SURR**) | 57% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 59% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 50% | | | | |

Perylene-d12 internal standard area recovered outside QC limits. Result for Benzo[b]fluoranthene may have a high bias.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368533 Soil, NS-SOGP141-12-14 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 16000 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [990] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 6300 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | 2600 | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1800] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1600] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [2200] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [1900] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 5300 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 6900 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 19000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 30000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 24000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 19000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 8500 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [970] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 75% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 61% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368534 Soil, NS-SOGP142-0-2 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 59% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368535 Soil, NS-SOGP142-12-14 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 2600 | ug/Kg | 4 | 130 | 430 |
| Acenaphthylene | [150] | ug/Kg | 4 | 120 | 410 |
| Anthracene | 1100 | ug/Kg | 4 | 150 | 510 |
| Benzo[a]anthracene | 520 | ug/Kg | 4 | 140 | 460 |
| Benzo[a]pyrene | [360] | ug/Kg | 4 | 140 | 450 |
| Benzo[b]fluoranthene | [360] | ug/Kg | 4 | 150 | 500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 4 | 130 | 430 |
| Benzo[k]fluoranthene | ND | ug/Kg | 4 | 150 | 510 |
| Chrysene | [450] | ug/Kg | 4 | 140 | 480 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 4 | 140 | 450 |
| Dibenzofuran | [300] | ug/Kg | 4 | 130 | 420 |
| Fluoranthene | 1100 | ug/Kg | 4 | 150 | 500 |
| Fluorene | 1100 | ug/Kg | 4 | 130 | 430 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 4 | 120 | 420 |
| 1-Methylnaphthalene | 3100 | ug/Kg | 4 | 130 | 420 |
| 2-Methylnaphthalene | 4300 | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | ND | ug/Kg | 4 | 100 | 350 |
| 3 & 4-Methylphenol | ND | ug/Kg | 4 | 220 | 770 |
| Naphthalene | 4100 | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | 3500 | ug/Kg | 4 | 150 | 490 |
| Phenol | ND | ug/Kg | 4 | 110 | 380 |
| Pyrene | 1700 | ug/Kg | 4 | 140 | 470 |
| Benzo[e]pyrene | [200] | ug/Kg | 4 | 150 | 510 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 64% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

2 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368536 Soil, NS-SOGP143-0-2 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [45] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [66] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [83] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [54] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [59] | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [91] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [56] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

Perylene-d12 internal standard area recovered outside QC limits.
Results for compounds associated with this internal standard may have a high bias.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

Sample: 368537 Soil, NS-SOGP143-6-8 Collected: 04/22/05 Analyzed: 05/05/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [62] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Perylene-d12 internal standard area recovered outside QC limits.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

Sample: 368527 Soil, NS-SOGP139-0-2 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [19] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 43 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 80 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [40] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [60] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 368528 Soil, NS-SOGP139-10-12 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 4000 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 1400 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | [480] | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 5600 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 1600 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 3000 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | 1800 | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample was diluted due to a high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

Sample: 368529 Soil, NS-SOGP140-1-3 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [21] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [17] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 170 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [28] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [28] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample: 368530 Soil, NS-SOGP140-10-12 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [30] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [28] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 990 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [21] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 368531 Soil, NS-SQDup07-0405 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [39] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [36] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 1700 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [29] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [38] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

Sample: 368532 Soil, NS-SOGP141-0-2 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [27] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 368533 Soil, NS-SOGP141-12-14 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | 1300 | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | 460 | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | ND | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 1800 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 480 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | 810 | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | 520 | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 121% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 113% | | | | |

Sample was diluted due to a high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

Sample: 368534 Soil, NS-SOGP142-0-2 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 36 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 368535 Soil, NS-SOGP142-12-14 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 520 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 190 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 320 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 470 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | [71] | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | [140] | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 140 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample was diluted due to a high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

Sample: 368536 Soil, NS-SOGP143-0-2 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 550 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Sample: 368537 Soil, NS-SOGP143-6-8 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 2000 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample: 368538 NS-SQMeOH Blank5-0405 Collected: 04/22/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [19] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP121-1-3 MS/MSD NLS ID: 368668
Ref. Line 1 COC 76414 Soil, NS-SOGP121-1-3 MS/MSD Matrix: SO
Collected: 04/25/05 11:15 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1700 | mg/Kg DWB | 1 | 5.3 | 20 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.89 | 3.2 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 16 | mg/Kg DWB | 1 | 0.13 | 0.25 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.59 | mg/Kg DWB | 5 | 0.13 | 0.44 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.68 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1000 | mg/Kg DWB | 10 | 38 | 76 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.6 | mg/Kg DWB | 1 | 0.38* | 1.3 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.6 | mg/Kg DWB | 1 | 0.38 | 1.3 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.35 | 1.2 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 4.9 | mg/Kg DWB | 1 | 0.15 | 0.55 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5600 | mg/Kg DWB | 10 | 7.1 | 26 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.1 | 15 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 880 | mg/Kg DWB | 10 | 38 | 76 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 79 | mg/Kg DWB | 1 | 0.083 | 0.25 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.082 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.0] | mg/Kg DWB | 1 | 0.88 | 3.2 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 220 | mg/Kg DWB | 1 | 9.1 | 33 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.37 | 1.3 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 53 | mg/Kg DWB | 1 | 0.83 | 3.0 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 96.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 14 | mg/Kg DWB | 1 | 0.22 | 0.81 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.5 | mg/Kg DWB | 1 | 0.17 | 0.50 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP121-4-6 NLS ID: 368669
Ref. Line 2 COC 76414 Soil, NS-SOGP121-4-6 Matrix: SO
Collected: 04/25/05 11:40 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 21000 | mg/Kg DWB | 1 | 7.5 | 28 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.68] | mg/Kg DWB | 10 | 0.36 | 1.2 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.96 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4300 | mg/Kg DWB | 10 | 53 | 110 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 38 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 39 | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 13 | mg/Kg DWB | 1 | 0.50 | 1.7 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 23 | mg/Kg DWB | 1 | 0.21 | 0.78 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 27000 | mg/Kg DWB | 10 | 10 | 37 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [14] | mg/Kg DWB | 1 | 5.8 | 21 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7600 | mg/Kg DWB | 10 | 53 | 110 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 350 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 25 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 13 | 47 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.4 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 40 | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.24 | 0.71 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP121-6-8 NLS ID: 368670
Ref. Line 3 COC 76414 Soil, NS-SOGP121-6-8 Matrix: SO
Collected: 04/25/05 11:30 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 18000 | mg/Kg DWB | 1 | 7.6 | 28 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.40] | mg/Kg DWB | 10 | 0.36 | 1.3 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 34000 | mg/Kg DWB | 10 | 54 | 110 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 32 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 32 | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 12 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.21 | 0.79 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 10 | 38 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.7] | mg/Kg DWB | 1 | 5.9 | 21 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 54 | 110 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 460 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 13 | 47 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.1 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 240 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.7 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 41 | mg/Kg DWB | 1 | 0.31 | 1.2 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 40 | mg/Kg DWB | 1 | 0.24 | 0.72 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP122-1-3 NLS ID: 368671
Ref. Line 4 COC 76414 Soil, NS-SOGP122-1-3 Matrix: SO
Collected: 04/25/05 12:40 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1600 | mg/Kg DWB | 1 | 6.6 | 25 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.82 | 2.9 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.65 | 2.3 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.16 | 0.31 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.16 | 0.55 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2000 | mg/Kg DWB | 10 | 47 | 94 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.5 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.5 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.1 | mg/Kg DWB | 1 | 0.44 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.3 | mg/Kg DWB | 1 | 0.19 | 0.69 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6400 | mg/Kg DWB | 10 | 8.8 | 33 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1700 | mg/Kg DWB | 10 | 47 | 94 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 140 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.082 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.9] | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 210 | mg/Kg DWB | 1 | 11 | 41 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.76 | 2.6 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 57 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 96.6 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.27 | 1.0 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.2 | mg/Kg DWB | 1 | 0.21 | 0.63 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP122-6-8 NLS ID: 368672
Ref. Line 5 COC 76414 Soil, NS-SOGP122-6-8 Matrix: SO
Collected: 04/25/05 13:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4100 | mg/Kg DWB | 1 | 11 | 42 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 8.7 | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.27 | 0.53 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.88] | mg/Kg DWB | 5 | 0.27 | 0.93 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4400 | mg/Kg DWB | 10 | 80 | 160 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.80* | 2.8 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.21* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.80 | 2.8 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.75 | 2.6 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 190 | mg/Kg DWB | 1 | 0.31 | 1.2 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.5 | mg/Kg DWB | 1 | 0.15 | 0.44 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 13000 | mg/Kg DWB | 10 | 15 | 55 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 72 | mg/Kg DWB | 1 | 8.6 | 31 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2300 | mg/Kg DWB | 10 | 80 | 160 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 65 | mg/Kg DWB | 1 | 0.18 | 0.53 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.40 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.9 | 6.8 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 380 | mg/Kg DWB | 1 | 19 | 70 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.7 | 5.8 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.77 | 2.8 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 280 | mg/Kg DWB | 1 | 1.8 | 6.4 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 69.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.6 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.46 | 1.7 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 230 | mg/Kg DWB | 1 | 0.36 | 1.1 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup 08-0405 NLS ID: 368673
Ref. Line 6 COC 76414 Soil, NS-SQDup 08-0405 Matrix: SO
Collected: 04/25/05 00:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1700 | mg/Kg DWB | 1 | 5.3 | 20 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.89 | 3.2 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.71 | 2.5 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 16 | mg/Kg DWB | 1 | 0.13 | 0.25 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.13 | 0.44 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.68 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 890 | mg/Kg DWB | 10 | 38 | 75 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.9 | mg/Kg DWB | 1 | 0.38* | 1.3 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.20 | mg/Kg DWB | 2 | 0.15* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.1 | mg/Kg DWB | 1 | 0.38 | 1.3 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.1 | mg/Kg DWB | 1 | 0.35 | 1.2 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.5 | mg/Kg DWB | 1 | 0.15 | 0.55 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6400 | mg/Kg DWB | 10 | 7.0 | 26 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.1 | 15 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 850 | mg/Kg DWB | 10 | 38 | 75 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 79 | mg/Kg DWB | 1 | 0.083 | 0.25 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.3 | mg/Kg DWB | 1 | 0.88 | 3.2 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 200 | mg/Kg DWB | 1 | 9.0 | 33 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.83 | 2.9 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.36 | 1.3 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 51 | mg/Kg DWB | 1 | 0.83 | 3.0 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.2 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.22 | 0.80 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.5 | mg/Kg DWB | 1 | 0.17 | 0.50 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP118-1-3 NLS ID: 368674
Ref. Line 8 COC 76414 Soil, NS-SOGP118-1-3 Matrix: SO
Collected: 04/25/05 13:35 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2300 | mg/Kg DWB | 1 | 5.8 | 22 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.96 | 3.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 0.76 | 2.7 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.14 | 0.28 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.14 | 0.48 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.75 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1300 | mg/Kg DWB | 10 | 42 | 83 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.7 | mg/Kg DWB | 1 | 0.42* | 1.5 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.15* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.0 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.9 | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.8 | mg/Kg DWB | 1 | 0.16 | 0.61 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6800 | mg/Kg DWB | 10 | 7.8 | 29 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [14] | mg/Kg DWB | 1 | 4.5 | 16 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1100 | mg/Kg DWB | 10 | 42 | 83 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 89 | mg/Kg DWB | 1 | 0.091 | 0.28 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.0] | mg/Kg DWB | 1 | 0.97 | 3.5 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 220 | mg/Kg DWB | 1 | 10 | 36 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.89 | 3.1 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.40 | 1.4 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 51 | mg/Kg DWB | 1 | 0.91 | 3.3 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 12 | mg/Kg DWB | 1 | 0.24 | 0.89 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 13 | mg/Kg DWB | 1 | 0.19 | 0.55 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP118-6-8 NLS ID: 368675
Ref. Line 9 COC 76414 Soil, NS-SOGP118-6-8 Matrix: SO
Collected: 04/25/05 14:20 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 6.6 | 25 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.8 | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 77 | mg/Kg DWB | 1 | 0.16 | 0.31 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.75 | mg/Kg DWB | 5 | 0.16 | 0.55 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 44000 | mg/Kg DWB | 10 | 47 | 94 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.1 | mg/Kg DWB | 1 | 0.44 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.19 | 0.69 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 8.8 | 33 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.7] | mg/Kg DWB | 1 | 5.1 | 19 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 13000 | mg/Kg DWB | 10 | 47 | 94 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 11 | 41 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.6 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.2 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.27 | 1.0 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 34 | mg/Kg DWB | 1 | 0.21 | 0.63 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP118-9-11 NLS ID: 368676
Ref. Line 10 COC 76414 Soil, NS-SOGP118-9-11 Matrix: SO
Collected: 04/25/05 14:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.0 | 22 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.14 | 0.29 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.77 | mg/Kg DWB | 5 | 0.14 | 0.50 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.77 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 43 | 86 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.43* | 1.5 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.4 | mg/Kg DWB | 1 | 0.40 | 1.4 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 14 | mg/Kg DWB | 1 | 0.17 | 0.63 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 8.0 | 30 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.6] | mg/Kg DWB | 1 | 4.6 | 17 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8800 | mg/Kg DWB | 10 | 43 | 86 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.094 | 0.29 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.0 | 3.6 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 10 | 37 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.41 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 0.94 | 3.4 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.0 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.25 | 0.91 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 34 | mg/Kg DWB | 1 | 0.19 | 0.57 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NS-SQMeOHBlank 6-0405 NLS ID: 368677
Ref. Line COC 76414 NS-SQMeOHBlank 6-0405 Matrix: TB
Collected: 04/25/05 00:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88897**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368668 Soil, NS-SOGP121-1-3 MS/MSD Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 66% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 70% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368669 Soil, NS-SOGP121-4-6 Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 58% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 60% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 51% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368670 Soil, NS-SOGP121-6-8 Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [50] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 59% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 61% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368671 Soil, NS-SOGP122-1-3 Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 60% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368672 Soil, NS-SOGP122-6-8 Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 670000 | ug/Kg | 2500 | 81000 | 270000 |
| Acenaphthylene | 910000 | ug/Kg | 2500 | 77000 | 260000 |
| Anthracene | 750000 | ug/Kg | 2500 | 96000 | 320000 |
| Benzo[a]anthracene | 520000 | ug/Kg | 2500 | 86000 | 290000 |
| Benzo[a]pyrene | 340000 | ug/Kg | 2500 | 85000 | 280000 |
| Benzo[b]fluoranthene | 410000 | ug/Kg | 2500 | 94000 | 310000 |
| Benzo[g,h,i]perylene | [190000] | ug/Kg | 2500 | 81000 | 270000 |
| Benzo[k]fluoranthene | [130000] | ug/Kg | 2500 | 95000 | 320000 |
| Chrysene | 470000 | ug/Kg | 2500 | 89000 | 300000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2500 | 85000 | 280000 |
| Dibenzofuran | 280000 | ug/Kg | 2500 | 79000 | 260000 |
| Fluoranthene | 1400000 | ug/Kg | 2500 | 94000 | 310000 |
| Fluorene | 1200000 | ug/Kg | 2500 | 81000 | 270000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2500 | 78000 | 260000 |
| 1-Methylnaphthalene | 3800000 | ug/Kg | 2500 | 79000 | 260000 |
| 2-Methylnaphthalene | 3300000 | ug/Kg | 2500 | 78000 | 260000 |
| 2-Methylphenol | ND | ug/Kg | 2500 | 65000 | 220000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2500 | 140000 | 480000 |
| Naphthalene | 270000 | ug/Kg | 2500 | 77000 | 260000 |
| Phenanthrene | 3700000 | ug/Kg | 2500 | 92000 | 310000 |
| Phenol | ND | ug/Kg | 2500 | 70000 | 230000 |
| Pyrene | 2000000 | ug/Kg | 2500 | 89000 | 300000 |
| Benzo[e]pyrene | [260000] | ug/Kg | 2500 | 95000 | 320000 |
| 2-Fluorophenol (SURR**) | 85% | | | | |
| Phenol-d5 (SURR**) | 89% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

6 grams of sample extracted. 10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368673 Soil, NS-SQDup 08-0405 Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368674 Soil, NS-SOGP118-1-3 Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | ND | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [83] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | ND | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | [100] | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | ND | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | [150] | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | ND | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

Perylene-d12 internal standard area recovered outside QC limits. Benzo[b]fluoranthene result may have a high bias.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368675 Soil, NS-SOGP118-6-8 Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 54% | | | | |
| Nitrobenzene-d5 (SURR**) | 52% | | | | |
| 2-Fluorobiphenyl (SURR**) | 57% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

Sample: 368676 Soil, NS-SOGP118-9-11 Collected: 04/25/05 Analyzed: 05/06/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/14/2005 14:57**

Sample: 368668 Soil, NS-SOGP121-1-3 MS/MSD Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 560 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample: 368669 Soil, NS-SOGP121-4-6 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 368670 Soil, NS-SOGP121-6-8 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1400 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 140 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [22] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [22] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 52 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [42] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/14/2005 14:57**

Sample: 368671 Soil, NS-SOGP122-1-3 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 34 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Sample: 368672 Soil, NS-SOGP122-6-8 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 50000 | ug/kg | 40 | 610 | 2000 |
| sec-Butylbenzene | ND | ug/kg | 40 | 770 | 2600 |
| Ethylbenzene | 12000 | ug/kg | 40 | 620 | 2100 |
| ortho-Xylene | 4900 | ug/kg | 40 | 510 | 1700 |
| Styrene | [1300] | ug/kg | 40 | 690 | 2300 |
| Toluene | 3100 | ug/kg | 40 | 420 | 1300 |
| 1,2,4-Trimethylbenzene | 12000 | ug/kg | 40 | 590 | 2000 |
| 1,3,5-Trimethylbenzene | 3500 | ug/kg | 40 | 660 | 2200 |
| meta,para-Xylene | 3800 | ug/kg | 40 | 1000 | 3600 |
| 1,2,3-Trimethylbenzene | 11000 | ug/kg | 40 | 760 | 2500 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 128% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

Sample: 368673 Soil, NS-SQDup 08-0405 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/14/2005 14:57**

Sample: 368674 Soil, NS-SOGP118-1-3 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 44 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 368675 Soil, NS-SOGP118-6-8 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 140 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Sample: 368676 Soil, NS-SOGP118-9-11 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/14/2005 14:57**

Sample: 368677 NS-SQMeOHBlank 6-0405 Collected: 04/25/05 Analyzed: 05/07/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP119-1-3 NLS ID: 368843
Ref. Line 1 COC 76415 Soil, NS-SOGP119-1-3 Matrix: SO
Collected: 04/25/05 15:20 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2000 | mg/Kg DWB | 1 | 7.1 | 26 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.82 | 2.9 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.87] | mg/Kg DWB | 20 | 0.65 | 2.3 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 20 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.19] | mg/Kg DWB | 2 | 0.068 | 0.24 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1400 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.6 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.6 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 3.1 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 10 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6000 | mg/Kg DWB | 10 | 9.5 | 35 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [14] | mg/Kg DWB | 1 | 5.5 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1100 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 78 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.31 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [4.2] | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 280 | mg/Kg DWB | 1 | 12 | 44 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.76 | 2.6 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 79 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.4 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 14 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP119-4-6 NLS ID: 368844
Ref. Line 2 COC 76415 Soil, NS-SOGP119-4-6 Matrix: SO
Collected: 04/25/05 15:30 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 8.0 | 30 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.5] | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 90 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.83 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 54000 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.3 | mg/Kg DWB | 1 | 0.57* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.3 | mg/Kg DWB | 1 | 0.57 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.3 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 400 | mg/Kg DWB | 1 | 0.13 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.1 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 14 | 50 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 240 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.1 | mg/Kg DWB | 1 | 0.25 | 0.76 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP124-1-3 NLS ID: 368845
Ref. Line 3 COC 76415 Soil, NS-SOGP124-1-3 Matrix: SO
Collected: 04/25/05 15:40 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1400 | mg/Kg DWB | 1 | 5.5 | 21 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.96 | 3.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 14 | mg/Kg DWB | 1 | 0.13 | 0.26 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.4 | mg/Kg DWB | 5 | 0.13 | 0.46 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 910 | mg/Kg DWB | 10 | 39 | 79 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.4 | mg/Kg DWB | 1 | 0.39* | 1.4 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.4 | mg/Kg DWB | 1 | 0.39 | 1.4 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.1 | mg/Kg DWB | 1 | 0.37 | 1.3 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.0 | mg/Kg DWB | 1 | 0.16 | 0.58 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6000 | mg/Kg DWB | 10 | 7.4 | 27 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.3 | 16 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 920 | mg/Kg DWB | 10 | 39 | 79 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 69 | mg/Kg DWB | 1 | 0.087 | 0.26 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.082 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.5 | mg/Kg DWB | 1 | 0.92 | 3.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 190 | mg/Kg DWB | 1 | 9.5 | 34 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.38 | 1.4 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 45 | mg/Kg DWB | 1 | 0.87 | 3.2 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 96.0 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.23 | 0.84 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.3 | mg/Kg DWB | 1 | 0.18 | 0.53 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP124-6-8 NLS ID: 368846
Ref. Line 4 COC 76415 Soil, NS-SOGP124-6-8 Matrix: SO
Collected: 04/25/05 16:30 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4900 | mg/Kg DWB | 1 | 7.9 | 29 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.0 | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 86 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.7 | mg/Kg DWB | 2 | 0.075 | 0.26 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8000 | mg/Kg DWB | 10 | 56 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.4 | mg/Kg DWB | 1 | 0.56* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.4 | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.53 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 2.8 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 9100 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.0] | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1900 | mg/Kg DWB | 10 | 56 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 31 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 510 | mg/Kg DWB | 1 | 14 | 49 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 10 | mg/Kg DWB | 1 | 0.25 | 0.75 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88931**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP126-1-3 NLS ID: 368847
Ref. Line 5 COC 76415 Soil, NS-SOGP126-1-3 Matrix: SO
Collected: 04/25/05 16:40 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1500 | mg/Kg DWB | 1 | 6.6 | 25 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.16 | 0.31 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.16] | mg/Kg DWB | 2 | 0.063 | 0.22 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 980 | mg/Kg DWB | 10 | 47 | 94 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.2 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.2 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.8 | mg/Kg DWB | 1 | 0.44 | 1.5 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.7 | mg/Kg DWB | 1 | 0.19 | 0.69 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5700 | mg/Kg DWB | 10 | 8.8 | 33 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1000 | mg/Kg DWB | 10 | 47 | 94 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 75 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.4 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 160 | mg/Kg DWB | 1 | 11 | 41 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.94 | 3.3 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 48 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.4 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.27 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.8 | mg/Kg DWB | 1 | 0.21 | 0.63 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP126-6-8 NLS ID: 368848
Ref. Line 6 COC 76415 Soil, NS-SOGP126-6-8 Matrix: SO
Collected: 04/25/05 18:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1200 | mg/Kg DWB | 1 | 8.1 | 30 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.7] | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 57 | mg/Kg DWB | 1 | 0.19 | 0.39 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.42 | mg/Kg DWB | 2 | 0.077 | 0.27 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1500 | mg/Kg DWB | 10 | 58 | 120 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 3.2 | mg/Kg DWB | 1 | 0.58* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.53 | mg/Kg DWB | 2 | 0.19* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 3.7 | mg/Kg DWB | 1 | 0.58 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.6 | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 3800 | mg/Kg DWB | 10 | 11 | 40 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.3 | 23 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 150 | mg/Kg DWB | 10 | 58 | 120 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 12 | mg/Kg DWB | 1 | 0.13 | 0.39 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.35 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 10 | mg/Kg DWB | 1 | 1.4 | 4.9 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 230 | mg/Kg DWB | 1 | 14 | 51 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 91 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.9 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.9 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 8.3 | mg/Kg DWB | 1 | 0.34 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 1.9 | mg/Kg DWB | 1 | 0.26 | 0.77 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDUP09-0405 NLS ID: 368849
Ref. Line 7 COC 76415 Soil, NS-SQDUP09-0405 Matrix: SO
Collected: 04/25/05 00:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1300 | mg/Kg DWB | 1 | 6.9 | 26 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.2] | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.5] | mg/Kg DWB | 20 | 0.90 | 3.2 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 16 | mg/Kg DWB | 1 | 0.16 | 0.33 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.085] | mg/Kg DWB | 2 | 0.065 | 0.23 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 720 | mg/Kg DWB | 10 | 49 | 98 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.2 | mg/Kg DWB | 1 | 0.49* | 1.7 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.2 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.6 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.0 | mg/Kg DWB | 1 | 0.19 | 0.72 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.29 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5800 | mg/Kg DWB | 10 | 9.2 | 34 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.3 | 19 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 900 | mg/Kg DWB | 10 | 49 | 98 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 63 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.7] | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 170 | mg/Kg DWB | 1 | 12 | 43 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 82 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.1 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 14 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 5.5 | mg/Kg DWB | 1 | 0.22 | 0.65 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP125-1-3 NLS ID: 368850
Ref. Line 8 COC 76415 Soil, NS-SOGP125-1-3 Matrix: SO
Collected: 04/26/05 07:40 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2200 | mg/Kg DWB | 1 | 6.0 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 0.88 | 3.1 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.14 | 0.29 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.14] | mg/Kg DWB | 5 | 0.14 | 0.50 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.78 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1400 | mg/Kg DWB | 10 | 43 | 86 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.7 | mg/Kg DWB | 1 | 0.43* | 1.5 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.7 | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.6 | mg/Kg DWB | 1 | 0.40 | 1.4 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 8.3 | mg/Kg DWB | 1 | 0.17 | 0.63 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.28 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 8400 | mg/Kg DWB | 10 | 8.1 | 30 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.7 | 17 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1600 | mg/Kg DWB | 10 | 43 | 86 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 85 | mg/Kg DWB | 1 | 0.095 | 0.29 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 6.7 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 230 | mg/Kg DWB | 1 | 10 | 38 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 62 | mg/Kg DWB | 1 | 0.95 | 3.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.7 | mg/Kg DWB | 1 | 0.19 | 0.58 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88931**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP125-9-11 NLS ID: 368851
Ref. Line 9 COC 76415 Soil, NS-SOGP125-9-11 Matrix: SO
Collected: 04/26/05 09:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 7.2 | 27 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 93 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 6.0 | mg/Kg DWB | 5 | 0.17 | 0.60 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 24000 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.30 | mg/Kg DWB | 2 | 0.19* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.6 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 22 | mg/Kg DWB | 1 | 0.20 | 0.75 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.24] | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.5 | 35 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 21 | mg/Kg DWB | 1 | 5.5 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8500 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2900 | mg/Kg DWB | 1 | 12 | 45 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.6 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 46 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP125-12-14 NLS ID: 368852
Ref. Line 10 COC 76415 Soil, NS-SOGP125-12-14 Matrix: SO
Collected: 04/26/05 09:10 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.9 | 29 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.9] | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 81 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.94 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 25000 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.57* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.18* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.57 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.4 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.12] | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 40 | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8800 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 14 | 49 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.5 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 42 | mg/Kg DWB | 1 | 0.25 | 0.76 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP127-1-3 NLS ID: 368853
Ref. Line 1 COC 76416 Soil, NS-SOGP127-1-3 Matrix: SO
Collected: 04/26/05 09:40 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1300 | mg/Kg DWB | 1 | 5.4 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.13 | 0.26 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.0 | mg/Kg DWB | 2 | 0.052 | 0.18 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.70 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 770 | mg/Kg DWB | 10 | 39 | 78 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.2 | mg/Kg DWB | 1 | 0.39* | 1.4 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.2 | mg/Kg DWB | 1 | 0.39 | 1.4 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.7 | mg/Kg DWB | 1 | 0.36 | 1.3 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.0 | mg/Kg DWB | 1 | 0.15 | 0.57 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.29 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5500 | mg/Kg DWB | 10 | 7.2 | 27 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.2 | 15 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 770 | mg/Kg DWB | 10 | 39 | 78 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 82 | mg/Kg DWB | 1 | 0.085 | 0.26 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.2 | mg/Kg DWB | 1 | 0.91 | 3.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 160 | mg/Kg DWB | 1 | 9.3 | 34 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.38 | 1.3 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 41 | mg/Kg DWB | 1 | 0.85 | 3.1 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 14 | mg/Kg DWB | 1 | 0.23 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.2 | mg/Kg DWB | 1 | 0.17 | 0.52 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP127-17-18 NLS ID: 368854
Ref. Line 2 COC 76416 Soil, NS-SOGP127-17-18 Matrix: SO
Collected: 04/26/05 10:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 7.1 | 27 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 56 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.59] | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.8 | mg/Kg DWB | 1 | 0.20 | 0.75 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 140 | mg/kg DWB | 25 | 0.12 | 0.36 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 9.5 | 35 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.1] | mg/Kg DWB | 1 | 5.5 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9000 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 210 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 12 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 45 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.4 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.8 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 27 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP130-1-3 NLS ID: 368855
Ref. Line 3 COC 76416 Soil, NS-SOGP130-1-3 Matrix: SO
Collected: 04/26/05 10:25 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1600 | mg/Kg DWB | 1 | 5.3 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.95 | 3.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.75 | 2.7 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 16 | mg/Kg DWB | 1 | 0.13 | 0.25 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.12] | mg/Kg DWB | 2 | 0.051 | 0.18 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.68 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 870 | mg/Kg DWB | 10 | 38 | 76 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.4 | mg/Kg DWB | 1 | 0.38* | 1.3 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.4 | mg/Kg DWB | 1 | 0.38 | 1.3 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.8 | mg/Kg DWB | 1 | 0.35 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.0 | mg/Kg DWB | 1 | 0.15 | 0.56 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5900 | mg/Kg DWB | 10 | 7.1 | 26 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.1 | 15 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 980 | mg/Kg DWB | 10 | 38 | 76 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 73 | mg/Kg DWB | 1 | 0.083 | 0.25 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.9 | mg/Kg DWB | 1 | 0.88 | 3.2 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 200 | mg/Kg DWB | 1 | 9.1 | 33 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.88 | 3.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.37 | 1.3 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 53 | mg/Kg DWB | 1 | 0.83 | 3.0 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.22 | 0.81 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 7.9 | mg/Kg DWB | 1 | 0.17 | 0.51 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP130-4-6 NLS ID: 368856
Ref. Line 4 COC 76416 Soil, NS-SOGP130-4-6 Matrix: SO
Collected: 04/26/05 11:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7300 | mg/Kg DWB | 1 | 7.9 | 29 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.4 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 7600 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 8.7 | mg/Kg DWB | 1 | 0.57* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 8.7 | mg/Kg DWB | 1 | 0.57 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.6 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 35 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 2.2 | mg/Kg DWB | 1 | 0.13 | 0.38 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 9500 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 440 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 37 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 590 | mg/Kg DWB | 1 | 14 | 50 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.5 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 15 | mg/Kg DWB | 1 | 0.25 | 0.76 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP129-1-3 NLS ID: 368857
Ref. Line 5 COC 76416 Soil, NS-SOGP129-1-3 Matrix: SO
Collected: 04/26/05 12:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1400 | mg/Kg DWB | 1 | 6.7 | 25 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.83 | 2.9 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 20 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.17] | mg/Kg DWB | 2 | 0.064 | 0.22 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 48 | 96 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.8 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.8 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.5 | mg/Kg DWB | 1 | 0.19 | 0.70 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.29 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6200 | mg/Kg DWB | 10 | 8.9 | 33 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1100 | mg/Kg DWB | 10 | 48 | 96 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 69 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.4 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 150 | mg/Kg DWB | 1 | 12 | 42 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 46 | mg/Kg DWB | 1 | 1.1 | 3.8 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 18 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 8.4 | mg/Kg DWB | 1 | 0.21 | 0.64 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP129-5-7 NLS ID: 368858
Ref. Line 6 COC 76416 Soil, NS-SOGP129-5-7 Matrix: SO
Collected: 04/26/05 12:50 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2900 | mg/Kg DWB | 1 | 8.0 | 30 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.0 | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.97 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4000 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.5 | mg/Kg DWB | 1 | 0.57* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.19* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.8 | mg/Kg DWB | 1 | 0.57 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.8 | mg/Kg DWB | 1 | 0.22 | 0.84 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.12] | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 9200 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 280 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 18 | mg/Kg DWB | 1 | 0.13 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 240 | mg/Kg DWB | 1 | 14 | 50 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.1 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.5 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 13 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 3.1 | mg/Kg DWB | 1 | 0.25 | 0.76 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDUP10-0405 NLS ID: 368859
Ref. Line 7 COC 76416 Soil, NS-SQDUP10-0405 Matrix: SO
Collected: 04/26/05 00:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1300 | mg/Kg DWB | 1 | 5.1 | 19 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.90 | 3.2 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 18 | mg/Kg DWB | 1 | 0.12 | 0.24 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.24] | mg/Kg DWB | 5 | 0.12 | 0.43 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.18 | 0.66 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1300 | mg/Kg DWB | 10 | 36 | 73 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.0 | mg/Kg DWB | 1 | 0.36* | 1.3 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.14* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.2 | mg/Kg DWB | 1 | 0.36 | 1.3 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.7 | mg/Kg DWB | 1 | 0.34 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.9 | mg/Kg DWB | 1 | 0.14 | 0.53 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5300 | mg/Kg DWB | 10 | 6.8 | 25 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 3.9 | 14 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 940 | mg/Kg DWB | 10 | 36 | 73 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 65 | mg/Kg DWB | 1 | 0.080 | 0.24 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.3 | mg/Kg DWB | 1 | 0.85 | 3.1 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 170 | mg/Kg DWB | 1 | 8.7 | 32 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.35 | 1.3 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 40 | mg/Kg DWB | 1 | 0.80 | 2.9 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.6 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.21 | 0.78 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 7.9 | mg/Kg DWB | 1 | 0.16 | 0.49 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88931**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP132-1-3 NLS ID: 368860
Ref. Line 9 COC 76416 Soil, NS-SOGP132-1-3 Matrix: SO
Collected: 04/26/05 13:15 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1100 | mg/Kg DWB | 1 | 6.2 | 23 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.86 | 3.1 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.69 | 2.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 17 | mg/Kg DWB | 1 | 0.15 | 0.29 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.071] | mg/Kg DWB | 2 | 0.059 | 0.21 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.79 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1100 | mg/Kg DWB | 10 | 44 | 88 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 3.6 | mg/Kg DWB | 1 | 0.44* | 1.6 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 3.8 | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.7 | mg/Kg DWB | 1 | 0.41 | 1.4 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 4.6 | mg/Kg DWB | 1 | 0.17 | 0.65 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.11] | mg/Kg DWB | 1 | 0.092 | 0.27 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4800 | mg/Kg DWB | 10 | 8.2 | 31 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.8 | 17 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 820 | mg/Kg DWB | 10 | 44 | 88 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 61 | mg/Kg DWB | 1 | 0.097 | 0.29 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.0] | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 160 | mg/Kg DWB | 1 | 11 | 39 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 38 | mg/Kg DWB | 1 | 0.97 | 3.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.9 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 12 | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 5.7 | mg/Kg DWB | 1 | 0.20 | 0.59 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88931**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP132-4-6 NLS ID: 368861
Ref. Line 10 COC 76416 Soil, NS-SOGP132-4-6 Matrix: SO
Collected: 04/26/05 13:45 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.9 | 26 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.6 | 5.6 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.2] | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 97 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.55] | mg/Kg DWB | 5 | 0.17 | 0.58 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.89 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8600 | mg/Kg DWB | 10 | 50 | 99 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.18* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.0 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.20 | 0.73 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 2.5 | mg/Kg DWB | 1 | 0.13 | 0.39 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.3 | 34 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [19] | mg/Kg DWB | 1 | 5.4 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5600 | mg/Kg DWB | 10 | 50 | 99 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.11] | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 12 | 43 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.1 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 92 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.6 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.22 | 0.66 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88931**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP135-1-3 MS/MSD NLS ID: 368862
Ref. Line 1 COC 76417 Soil, NS-SOGP135-1-3 MS/MSD Matrix: SO
Collected: 04/26/05 14:15 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1200 | mg/Kg DWB | 1 | 6.4 | 24 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.98 | 3.5 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 19 | mg/Kg DWB | 1 | 0.15 | 0.30 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.11] | mg/Kg DWB | 2 | 0.061 | 0.21 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.82 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 830 | mg/Kg DWB | 10 | 46 | 91 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.6 | mg/Kg DWB | 1 | 0.46* | 1.6 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.14* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.6 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.6 | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 4.2 | mg/Kg DWB | 1 | 0.18 | 0.67 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.28 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5800 | mg/Kg DWB | 10 | 8.5 | 32 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.9 | 18 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 740 | mg/Kg DWB | 10 | 46 | 91 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 62 | mg/Kg DWB | 1 | 0.10 | 0.30 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.079 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [2.7] | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 170 | mg/Kg DWB | 1 | 11 | 40 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 36 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 99.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.27 | 0.98 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 5.8 | mg/Kg DWB | 1 | 0.20 | 0.61 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

Soil, NS-SQMeOH Blank 7-0405 NLS ID: 368863
Ref. Line 2 COC 76417 Soil, NS-SQMeOH Blank 7-0405 Matrix: TB
Collected: 04/26/05 00:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |

Soil, NS-SQMeOH Blank 8-0405 NLS ID: 368864
Ref. Line 3 COC 76417 Soil, NS-SQMeOH Blank 8-0405 Matrix: TB
Collected: 04/26/05 00:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88931**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368843 Soil, NS-SOGP119-1-3 Collected: 04/25/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368844 Soil, NS-SOGP119-4-6 Collected: 04/25/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 60% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368845 Soil, NS-SOGP124-1-3 Collected: 04/25/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368846 Soil, NS-SOGP124-6-8 Collected: 04/25/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [1300] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1500] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1700] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | [1700] | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Fluorene | ND | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | [1300] | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | ND | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | ND | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | ND | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | ND | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | [1400] | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1400] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 86% | | | | |
| Phenol-d5 (SURR**) | 86% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Sample was diluted due to non-target compounds.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368847 Soil, NS-SOGP126-1-3 Collected: 04/25/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368848 Soil, NS-SOGP126-6-8 Collected: 04/25/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [56] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [66] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 20% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 22% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recoveries for 2-Fluorophenol, Phenol-d5, and 2,4,6-Tribromophenol were outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368849 Soil, NS-SQDUP09-0405 Collected: 04/25/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368850 Soil, NS-SOGP125-1-3 Collected: 04/26/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368851 Soil, NS-SOGP125-9-11 Collected: 04/26/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [12000] | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | 110000 | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | 33000 | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | [20000] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | [16000] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | [14000] | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | [17000] | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | [18000] | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | 36000 | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | 46000 | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | 290000 | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | 500000 | ug/Kg | 500 | 16000 | 52000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | 700000 | ug/Kg | 500 | 15000 | 51000 |
| Phenanthrene | 110000 | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 50000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | ND | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 88% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 58% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368852 Soil, NS-SOGP125-12-14 Collected: 04/26/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 25 | 810 | 2700 |
| Acenaphthylene | 4700 | ug/Kg | 25 | 770 | 2600 |
| Anthracene | ND | ug/Kg | 25 | 960 | 3200 |
| Benzo[a]anthracene | ND | ug/Kg | 25 | 860 | 2900 |
| Benzo[a]pyrene | ND | ug/Kg | 25 | 850 | 2800 |
| Benzo[b]fluoranthene | ND | ug/Kg | 25 | 940 | 3100 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 25 | 810 | 2700 |
| Benzo[k]fluoranthene | ND | ug/Kg | 25 | 950 | 3200 |
| Chrysene | ND | ug/Kg | 25 | 890 | 3000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 25 | 850 | 2800 |
| Dibenzofuran | ND | ug/Kg | 25 | 790 | 2600 |
| Fluoranthene | [1300] | ug/Kg | 25 | 940 | 3100 |
| Fluorene | [1700] | ug/Kg | 25 | 810 | 2700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 25 | 780 | 2600 |
| 1-Methylnaphthalene | 12000 | ug/Kg | 25 | 790 | 2600 |
| 2-Methylnaphthalene | 20000 | ug/Kg | 25 | 780 | 2600 |
| 2-Methylphenol | ND | ug/Kg | 25 | 650 | 2200 |
| 3 & 4-Methylphenol | ND | ug/Kg | 25 | 1400 | 4800 |
| Naphthalene | 41000 | ug/Kg | 25 | 770 | 2600 |
| Phenanthrene | 4100 | ug/Kg | 25 | 920 | 3100 |
| Phenol | [910] | ug/Kg | 25 | 700 | 2300 |
| Pyrene | [2100] | ug/Kg | 25 | 890 | 3000 |
| Benzo[e]pyrene | ND | ug/Kg | 25 | 950 | 3200 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 35% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368853 Soil, NS-SOGP127-1-3 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 51% | | | | |
| Phenol-d5 (SURR**) | 57% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368854 Soil, NS-SOGP127-17-18 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [430] | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 3500 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [1100] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [600] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [440] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [510] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | [590] | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 1200 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 1600 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 7100 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 11000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 12000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 3600 | ug/Kg | 10 | 370 | 1200 |
| Phenol | [350] | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1500 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 82% | | | | |
| Phenol-d5 (SURR**) | 86% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 97% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

10 mL final extract volume.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368855 Soil, NS-SOGP130-1-3 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 55% | | | | |
| Phenol-d5 (SURR**) | 57% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368856 Soil, NS-SOGP130-4-6 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 100 | ug/Kg | 1 | 31 | 100 |
| Anthracene | [66] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 300 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 260 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 320 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | 120 | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [110] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 300 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 440 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [95] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 120 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 140 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 210 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 410 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 630 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | 180 | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 37% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 36% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Surrogate recoveries for 2-Fluorophenol and Phenol-d5 were outside QC limits due to sample matrix.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368857 Soil, NS-SOGP129-1-3 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [38] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [46] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 58% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368858 Soil, NS-SOGP129-5-7 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 110 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | [97] | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [49] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 130 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 23% | | | | |
| Phenol-d5 (SURR**) | 31% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 32% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Additional non-target compounds present.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recoveries for 2-Fluorophenol and Phenol-d5 were outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368859 Soil, NS-SQDUP10-0405 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368860 Soil, NS-SOGP132-1-3 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368861 Soil, NS-SOGP132-4-6 Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 2200 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [790] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 1600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 3200 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 2700 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [960] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [1000] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1400 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 1400 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | [630] | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | [800] | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 1400 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 2100 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 2200 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 1700 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 2100 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 1500 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 43% | | | | |
| Nitrobenzene-d5 (SURR**) | 37% | | | | |
| 2-Fluorobiphenyl (SURR**) | 43% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 42% | | | | |
| Terphenyl-d14 (SURR**) | 41% | | | | |

10 mL final extract volume.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

Sample: 368862 Soil, NS-SOGP135-1-3 MS/MSD Collected: 04/26/05 Analyzed: 05/15/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

Sample: 368843 Soil, NS-SOGP119-1-3 Collected: 04/25/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 124% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample: 368844 Soil, NS-SOGP119-4-6 Collected: 04/25/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample: 368845 Soil, NS-SOGP124-1-3 Collected: 04/25/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

Sample: 368846 Soil, NS-SOGP124-6-8 Collected: 04/25/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1100 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 82 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 53 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 420 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [37] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 130 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample: 368847 Soil, NS-SOGP126-1-3 Collected: 04/25/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Sample: 368848 Soil, NS-SOGP126-6-8 Collected: 04/25/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [21] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [21] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

Sample: 368849 Soil, NS-SQDUP09-0405 Collected: 04/25/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [18] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 368850 Soil, NS-SOGP125-1-3 Collected: 04/26/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 58 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Sample: 368851 Soil, NS-SOGP125-9-11 Collected: 04/26/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 11000 | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 40000 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 24000 | ug/kg | 20 | 250 | 850 |
| Styrene | 16000 | ug/kg | 20 | 350 | 1200 |
| Toluene | 29000 | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 34000 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 9500 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 52000 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | 11000 | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

Sample: 368852 Soil, NS-SOGP125-12-14 Collected: 04/26/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 9100 | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 2500 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 3100 | ug/kg | 10 | 130 | 420 |
| Styrene | 7500 | ug/kg | 10 | 170 | 580 |
| Toluene | 13000 | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 3300 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | 950 | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 6800 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 368853 Soil, NS-SOGP127-1-3 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 350 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 368854 Soil, NS-SOGP127-17-18 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7400 | ug/kg | 8 | 120 | 410 |
| sec-Butylbenzene | ND | ug/kg | 8 | 150 | 510 |
| Ethylbenzene | 1100 | ug/kg | 8 | 120 | 410 |
| ortho-Xylene | 2100 | ug/kg | 8 | 100 | 340 |
| Styrene | 5000 | ug/kg | 8 | 140 | 460 |
| Toluene | 8900 | ug/kg | 8 | 84 | 270 |
| 1,2,4-Trimethylbenzene | 2800 | ug/kg | 8 | 120 | 390 |
| 1,3,5-Trimethylbenzene | 780 | ug/kg | 8 | 130 | 440 |
| meta,para-Xylene | 4600 | ug/kg | 8 | 200 | 710 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 8 | 150 | 500 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

Sample: 368855 Soil, NS-SOGP130-1-3 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 270 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Sample: 368856 Soil, NS-SOGP130-4-6 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 130 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [35] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 57 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 510 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 59 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [22] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 140 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample: 368857 Soil, NS-SOGP129-1-3 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 1400 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

Sample: 368858 Soil, NS-SOGP129-5-7 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [43] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 140 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 368859 Soil, NS-SQDUP10-0405 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 380 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 368860 Soil, NS-SOGP132-1-3 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

Sample: 368861 Soil, NS-SOGP132-4-6 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 320 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | 740 | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | 960 | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 630 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 3500 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 960 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | 1800 | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | 1300 | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample was diluted due to a high level of Naphthalene.

Sample: 368862 Soil, NS-SOGP135-1-3 MS/MSD Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [21] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

Sample: 368863 Soil, NS-SQMeOH Blank 7-0405 Collected: 04/26/05 Analyzed: 05/08/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample: 368864 Soil, NS-SQMeOH Blank 8-0405 Collected: 04/26/05 Analyzed: 05/09/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [11] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP136-1-3 NLS ID: 369084
Ref. Line 1 COC 76418 Soil, NS-SOGP136-1-3 Matrix: SO
Collected: 04/26/05 14:50 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1600 | mg/Kg DWB | 1 | 6.2 | 23 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.89 | 3.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.71 | 2.5 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 22 | mg/Kg DWB | 1 | 0.15 | 0.30 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.11] | mg/Kg DWB | 2 | 0.059 | 0.21 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.80 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1700 | mg/Kg DWB | 10 | 44 | 89 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 3.7 | mg/Kg DWB | 1 | 0.44* | 1.6 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.28 | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.0 | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.6 | mg/Kg DWB | 1 | 0.41 | 1.5 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.2 | mg/Kg DWB | 1 | 0.17 | 0.65 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.15] | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5500 | mg/Kg DWB | 10 | 8.3 | 31 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.8 | 17 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1300 | mg/Kg DWB | 10 | 44 | 89 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 84 | mg/Kg DWB | 1 | 0.098 | 0.30 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 3.8 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 200 | mg/Kg DWB | 1 | 11 | 39 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.83 | 2.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 62 | mg/Kg DWB | 1 | 0.98 | 3.6 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.7 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 13 | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 7.3 | mg/Kg DWB | 1 | 0.20 | 0.59 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP136-4-6 NLS ID: 369085
Ref. Line 2 COC 76418 Soil, NS-SOGP136-4-6 Matrix: SO
Collected: 04/26/05 15:10 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 7.9 | 29 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.94 | 3.3 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.0] | mg/Kg DWB | 20 | 0.75 | 2.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 92 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [1.2] | mg/Kg DWB | 10 | 0.38 | 1.3 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 31000 | mg/Kg DWB | 10 | 56 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.56* | 2.0 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.18* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.53 | 1.8 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.72 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 11 | 39 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 6.1 | 22 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 56 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 350 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 22 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 14 | 49 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.87 | 3.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.2 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 48 | mg/Kg DWB | 1 | 0.25 | 0.75 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP133-1-3 NLS ID: 369086
Ref. Line 3 COC 76418 Soil, NS-SOGP133-1-3 Matrix: SO
Collected: 04/26/05 15:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1200 | mg/Kg DWB | 1 | 6.6 | 25 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.72 | 2.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 17 | mg/Kg DWB | 1 | 0.16 | 0.31 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.094] | mg/Kg DWB | 2 | 0.063 | 0.22 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1700 | mg/Kg DWB | 10 | 47 | 94 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 2.9 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 3.1 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.6 | mg/Kg DWB | 1 | 0.44 | 1.5 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.6 | mg/Kg DWB | 1 | 0.19 | 0.69 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.11] | mg/Kg DWB | 1 | 0.091 | 0.27 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4600 | mg/Kg DWB | 10 | 8.8 | 33 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 850 | mg/Kg DWB | 10 | 47 | 94 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 60 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | [3.8] | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 140 | mg/Kg DWB | 1 | 11 | 41 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.84 | 2.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 57 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.8 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 12 | mg/Kg DWB | 1 | 0.27 | 1.0 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 5.7 | mg/Kg DWB | 1 | 0.21 | 0.63 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP133-4-6 NLS ID: 369087
Ref. Line 4 COC 76418 Soil, NS-SOGP133-4-6 Matrix: SO
Collected: 04/26/05 15:40 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.1 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 0.93 | 3.3 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.88] | mg/Kg DWB | 10 | 0.34 | 1.2 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 52000 | mg/Kg DWB | 100 | 510 | 1000 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.6 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.75 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.24] | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.5 | 35 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [11] | mg/Kg DWB | 1 | 5.5 | 20 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 51 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 340 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 12 | 45 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.2 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 38 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP103-2-4 NLS ID: 369088
Ref. Line 5 COC 76418 Soil, NS-SOGP103-2-4 Matrix: SO
Collected: 04/27/05 08:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 8.3 | 31 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 0.93 | 3.3 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.20 | 0.39 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [1.3] | mg/Kg DWB | 10 | 0.39 | 1.4 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4600 | mg/Kg DWB | 10 | 59 | 120 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 33 | mg/Kg DWB | 1 | 0.59* | 2.1 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.33 | mg/Kg DWB | 2 | 0.19* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 33 | mg/Kg DWB | 1 | 0.59 | 2.1 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.55 | 1.9 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 26 | mg/Kg DWB | 1 | 0.23 | 0.87 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 11 | 41 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.2] | mg/Kg DWB | 1 | 6.4 | 23 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7300 | mg/Kg DWB | 10 | 59 | 120 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.13 | 0.39 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 26 | mg/Kg DWB | 1 | 1.4 | 5.0 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 14 | 52 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.57 | 2.1 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.3 | 4.7 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.4 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 48 | mg/Kg DWB | 1 | 0.34 | 1.3 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.26 | 0.79 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP103-6-8 NLS ID: 369089
Ref. Line 6 COC 76418 Soil, NS-SOGP103-6-8 Matrix: SO
Collected: 04/27/05 09:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.7 | 29 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.5] | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.18 | 0.37 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.92] | mg/Kg DWB | 10 | 0.37 | 1.3 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.99 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 29000 | mg/Kg DWB | 10 | 55 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.55* | 1.9 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.55 | 1.9 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.5 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.22 | 0.81 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 10 | 38 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.3] | mg/Kg DWB | 1 | 6.0 | 22 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 55 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.12 | 0.37 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.3 | 4.7 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 13 | 48 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.4 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.1 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 43 | mg/Kg DWB | 1 | 0.32 | 1.2 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.25 | 0.74 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP103-10-12 NLS ID: 369090
Ref. Line 7 COC 76418 Soil, NS-SOGP103-10-12 Matrix: SO
Collected: 04/27/05 09:45 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7800 | mg/Kg DWB | 1 | 7.3 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 56 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.47] | mg/Kg DWB | 5 | 0.17 | 0.61 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 20000 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 15 | mg/Kg DWB | 1 | 0.52* | 1.8 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 15 | mg/Kg DWB | 1 | 0.52 | 1.8 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.7 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 11 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 9.7 | 36 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.1] | mg/Kg DWB | 1 | 5.6 | 21 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7300 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.11 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 12 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 13 | 46 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.3 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 28 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 28 | mg/Kg DWB | 1 | 0.23 | 0.70 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP147-2-4 NLS ID: 369091
Ref. Line 8 COC 76418 Soil, NS-SOGP147-2-4 Matrix: SO
Collected: 04/27/05 10:50 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2500 | mg/Kg DWB | 1 | 6.5 | 24 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.89 | 3.2 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 34 | mg/Kg DWB | 1 | 0.15 | 0.31 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.16] | mg/Kg DWB | 2 | 0.062 | 0.22 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.83 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3100 | mg/Kg DWB | 10 | 46 | 93 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.5 | mg/Kg DWB | 1 | 0.46* | 1.6 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.38 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.9 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.5 | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.8 | mg/Kg DWB | 1 | 0.18 | 0.68 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6900 | mg/Kg DWB | 10 | 8.6 | 32 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.0 | 18 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 46 | 93 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 95 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.084 | 0.30 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 6.6 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 360 | mg/Kg DWB | 1 | 11 | 40 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 73 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.9 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.27 | 0.99 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.4 | mg/Kg DWB | 1 | 0.21 | 0.62 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP147-13-15 NLS ID: 369092
Ref. Line 9 COC 76418 Soil, NS-SOGP147-13-15 Matrix: SO
Collected: 04/27/05 11:10 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7400 | mg/Kg DWB | 1 | 7.6 | 28 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.1 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.0] | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 66 | mg/Kg DWB | 1 | 0.18 | 0.36 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.45] | mg/Kg DWB | 5 | 0.18 | 0.63 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.98 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8900 | mg/Kg DWB | 10 | 54 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.17* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 12 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.9 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.21 | 0.80 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 10 | 38 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.9 | 21 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 54 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 13 | 47 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.3 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.32 | 1.2 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 25 | mg/Kg DWB | 1 | 0.24 | 0.72 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP152-2-4 NLS ID: 369093
Ref. Line 10 COC 76418 Soil, NS-SOGP152-2-4 Matrix: SO
Collected: 04/27/05 11:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4100 | mg/Kg DWB | 1 | 7.3 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.83] | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 40 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.35] | mg/Kg DWB | 5 | 0.17 | 0.61 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 8.1 | mg/Kg DWB | 1 | 0.52* | 1.8 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.29 | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 8.4 | mg/Kg DWB | 1 | 0.52 | 1.8 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 3.5 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.9 | mg/Kg DWB | 1 | 0.20 | 0.76 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 9300 | mg/Kg DWB | 10 | 9.7 | 36 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.6 | 20 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2800 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 130 | mg/Kg DWB | 1 | 0.11 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.31 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 8.7 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 440 | mg/Kg DWB | 1 | 12 | 45 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.94 | 3.3 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 80 | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.7 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 21 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 14 | mg/Kg DWB | 1 | 0.23 | 0.69 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup11-0405 NLS ID: 369094
Ref. Line 1 COC 76419 Soil, NS-SQDup11-0405 Matrix: SO
Collected: 04/27/05 00:00 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3500 | mg/Kg DWB | 1 | 7.4 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.83 | 2.9 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 33 | mg/Kg DWB | 1 | 0.18 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 11 | mg/Kg DWB | 5 | 0.18 | 0.61 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3300 | mg/Kg DWB | 10 | 53 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.8 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.0 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.8 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.4 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 8500 | mg/Kg DWB | 10 | 9.8 | 37 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.7 | 21 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2300 | mg/Kg DWB | 10 | 53 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 120 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 6.8 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 410 | mg/Kg DWB | 1 | 13 | 46 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.97 | 3.3 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 73 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.2 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 18 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.24 | 0.70 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP153-1-3 NLS ID: 369095
Ref. Line 2 COC 76419 Soil, NS-SOGP153-1-3 Matrix: SO
Collected: 04/27/05 12:45 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3200 | mg/Kg DWB | 1 | 6.8 | 25 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.91] | mg/Kg DWB | 20 | 0.86 | 3.0 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 30 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.31] | mg/Kg DWB | 5 | 0.16 | 0.56 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 48 | 97 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.2 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.44 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.7 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.4 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.3 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 8300 | mg/Kg DWB | 10 | 9.0 | 34 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 48 | 97 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 110 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 5.5 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 400 | mg/Kg DWB | 1 | 12 | 42 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 72 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.3 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 11 | mg/Kg DWB | 1 | 0.22 | 0.64 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP153-12-14 NLS ID: 369096
Ref. Line 3 COC 76419 Soil, NS-SOGP153-12-14 Matrix: SO
Collected: 04/27/05 13:10 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7800 | mg/Kg DWB | 1 | 7.0 | 26 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.99 | 3.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.5] | mg/Kg DWB | 20 | 0.79 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 57 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.62 | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 50 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 15 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 15 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.2 | mg/Kg DWB | 1 | 0.47 | 1.6 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 10 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 9.4 | 35 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.4 | 20 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7400 | mg/Kg DWB | 10 | 50 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 12 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 12 | 44 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.92 | 3.2 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.1 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 27 | mg/Kg DWB | 1 | 0.22 | 0.67 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP158-0-2 NLS ID: 369097
Ref. Line 4 COC 76419 Soil, NS-SOGP158-0-2 Matrix: SO
Collected: 04/27/05 13:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4600 | mg/Kg DWB | 1 | 6.7 | 25 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.95 | 3.4 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 43 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.27] | mg/Kg DWB | 5 | 0.16 | 0.56 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3900 | mg/Kg DWB | 10 | 48 | 96 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.3 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 3.1 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 14 | mg/Kg DWB | 1 | 0.19 | 0.70 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8800 | mg/Kg DWB | 10 | 8.9 | 33 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2000 | mg/Kg DWB | 10 | 48 | 96 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 95 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.31 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 8.1 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 400 | mg/Kg DWB | 1 | 11 | 42 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 330 | mg/Kg DWB | 1 | 1.1 | 3.8 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.8 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.21 | 0.64 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP157-1-3 NLS ID: 369098
Ref. Line 5 COC 76419 Soil, NS-SOGP157-1-3 Matrix: SO
Collected: 04/27/05 14:00 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3000 | mg/Kg DWB | 1 | 6.4 | 24 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 33 | mg/Kg DWB | 1 | 0.15 | 0.30 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.26 | mg/Kg DWB | 2 | 0.061 | 0.21 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.82 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3500 | mg/Kg DWB | 10 | 45 | 91 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.0 | mg/Kg DWB | 1 | 0.45* | 1.6 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.1 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.2 | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.1 | mg/Kg DWB | 1 | 0.18 | 0.67 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 7800 | mg/Kg DWB | 10 | 8.5 | 32 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.0] | mg/Kg DWB | 1 | 4.9 | 18 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 45 | 91 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 110 | mg/Kg DWB | 1 | 0.10 | 0.30 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 5.4 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 370 | mg/Kg DWB | 1 | 11 | 40 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 61 | mg/Kg DWB | 1 | 1.0 | 3.6 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.3 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.26 | 0.97 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 17 | mg/Kg DWB | 1 | 0.20 | 0.61 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP157-10-12 NLS ID: 369099
Ref. Line 6 COC 76419 Soil, NS-SOGP157-10-12 Matrix: SO
Collected: 04/27/05 14:40 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 18000 | mg/Kg DWB | 1 | 7.3 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 9.6 | mg/Kg DWB | 10 | 0.35 | 1.2 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 45000 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 31 | mg/Kg DWB | 1 | 0.52* | 1.9 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.64 | mg/Kg DWB | 2 | 0.18* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 32 | mg/Kg DWB | 1 | 0.52 | 1.9 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.6 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 9.8 | 36 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.3] | mg/Kg DWB | 1 | 5.7 | 21 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 350 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 13 | 46 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.4 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.23 | 0.70 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

NS-SQMeOHBlank 9-0405 NLS ID: 369100
Ref. Line 8 COC 76419 NS-SQMeOHBlank 9-0405 Matrix: TB
Collected: 04/27/05 00:00 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369084 Soil, NS-SOGP136-1-3 Collected: 04/26/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [44] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [60] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [70] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [61] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [59] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [47] | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [37] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [45] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [73] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [59] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Laboratory control spike recoveries for Phenanthrene and Fluoranthene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369085 Soil, NS-SOGP136-4-6 Collected: 04/26/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [1100] | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | ND | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [940] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | [1800] | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 2200 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 5900 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 9700 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | [1100] | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 7300 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 2700 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 81% | | | | |
| Phenol-d5 (SURR**) | 87% | | | | |
| Nitrobenzene-d5 (SURR**) | 86% | | | | |
| 2-Fluorobiphenyl (SURR**) | 97% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

10 mL final extract volume.
Additional non-target compounds present.
Laboratory control spike recoveries for Phenanthrene and Fluoranthene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369086 Soil, NS-SOGP133-1-3 Collected: 04/26/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369087 Soil, NS-SOGP133-4-6 Collected: 04/26/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 110 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | [55] | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [110] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Laboratory control spike recovery for Phenanthrene was outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369088 Soil, NS-SOGP103-2-4 Collected: 04/27/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 3200 | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 3800 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | 2900 | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 1600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 1200 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [1100] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1500 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | 1100 | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 3300 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 4300 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 11000 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 13000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 13000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 11000 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 4200 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [610] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 83% | | | | |
| Phenol-d5 (SURR**) | 86% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 96% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 100% | | | | |

10 mL final extract volume.

Laboratory control spike recoveries for Phenanthrene, Anthracene, and Fluoranthene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369089 Soil, NS-SOGP103-6-8 Collected: 04/27/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [55] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 130 | ug/Kg | 1 | 31 | 100 |
| Anthracene | 140 | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 150 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 110 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [100] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [45] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 140 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [79] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 160 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 280 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 620 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 180 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 450 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 700 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 220 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [59] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike recoveries for Phenanthrene, Anthracene, and Fluoranthene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369090 Soil, NS-SOGP103-10-12 Collected: 04/27/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [72] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | [79] | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 140 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [78] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Laboratory control spike recovery for Phenanthrene was outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369091 Soil, NS-SOGP147-2-4 Collected: 04/27/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369092 Soil, NS-SOGP147-13-15 Collected: 04/27/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 21000 | ug/Kg | 40 | 1300 | 4300 |
| Acenaphthylene | [1700] | ug/Kg | 40 | 1200 | 4100 |
| Anthracene | 9900 | ug/Kg | 40 | 1500 | 5100 |
| Benzo[a]anthracene | 5900 | ug/Kg | 40 | 1400 | 4600 |
| Benzo[a]pyrene | 6100 | ug/Kg | 40 | 1400 | 4500 |
| Benzo[b]fluoranthene | [4600] | ug/Kg | 40 | 1500 | 5000 |
| Benzo[g,h,i]perylene | [2500] | ug/Kg | 40 | 1300 | 4300 |
| Benzo[k]fluoranthene | ND | ug/Kg | 40 | 1500 | 5100 |
| Chrysene | 5900 | ug/Kg | 40 | 1400 | 4800 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 40 | 1400 | 4500 |
| Dibenzofuran | ND | ug/Kg | 40 | 1300 | 4200 |
| Fluoranthene | 13000 | ug/Kg | 40 | 1500 | 5000 |
| Fluorene | 9000 | ug/Kg | 40 | 1300 | 4300 |
| Indeno[1,2,3-cd]pyrene | [1500] | ug/Kg | 40 | 1200 | 4200 |
| 1-Methylnaphthalene | 16000 | ug/Kg | 40 | 1300 | 4200 |
| 2-Methylnaphthalene | 19000 | ug/Kg | 40 | 1200 | 4100 |
| 2-Methylphenol | ND | ug/Kg | 40 | 1000 | 3500 |
| 3 & 4-Methylphenol | ND | ug/Kg | 40 | 2200 | 7700 |
| Naphthalene | 40000 | ug/Kg | 40 | 1200 | 4100 |
| Phenanthrene | 35000 | ug/Kg | 40 | 1500 | 4900 |
| Phenol | ND | ug/Kg | 40 | 1100 | 3800 |
| Pyrene | 22000 | ug/Kg | 40 | 1400 | 4700 |
| Benzo[e]pyrene | [3800] | ug/Kg | 40 | 1500 | 5100 |
| 2-Fluorophenol (SURR**) | 84% | | | | |
| Phenol-d5 (SURR**) | 90% | | | | |
| Nitrobenzene-d5 (SURR**) | 84% | | | | |
| 2-Fluorobiphenyl (SURR**) | 104% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 107% | | | | |

10 mL final extract volume.

Laboratory control spike recoveries for Phenanthrene, Anthracene, and Fluoranthene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369093 Soil, NS-SOGP152-2-4 Collected: 04/27/05 Analyzed: 05/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [51] | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 130 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [77] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 69% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike recoveries for Phenanthrene and Fluoranthene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369094 Soil, NS-SQDup11-0405 Collected: 04/27/05 Analyzed: 05/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [94] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [60] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369095 Soil, NS-SOGP153-1-3 Collected: 04/27/05 Analyzed: 05/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369096 Soil, NS-SOGP153-12-14 Collected: 04/27/05 Analyzed: 05/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 150 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | [72] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [52] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [49] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [50] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 120 | ug/Kg | 1 | 37 | 120 |
| Fluorene | [69] | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [79] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 100 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | 91 | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | [120] | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 190 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 300 | ug/Kg | 1 | 37 | 120 |
| Phenol | 160 | ug/Kg | 1 | 28 | 94 |
| Pyrene | 180 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369097 Soil, NS-SOGP158-0-2 Collected: 04/27/05 Analyzed: 05/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 73% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369098 Soil, NS-SOGP157-1-3 Collected: 04/27/05 Analyzed: 05/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [60] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [59] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [47] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [39] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [70] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [54] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 70% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

Sample: 369099 Soil, NS-SOGP157-10-12 Collected: 04/27/05 Analyzed: 05/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 760 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | [89] | ug/Kg | 1 | 31 | 100 |
| Anthracene | 430 | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 260 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 270 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 220 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | 120 | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [72] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 300 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 590 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 370 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [76] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 490 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 1400 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 940 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | 190 | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 50% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

Sample: 369084 Soil, NS-SOGP136-1-3 Collected: 04/26/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 2600 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample: 369085 Soil, NS-SOGP136-4-6 Collected: 04/26/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 290 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | [110] | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | ND | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 280 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 720 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 340 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | ND | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | 350 | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample was diluted due to non-target compounds.
Sample collection weight exceeded 35 grams.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

Sample: 369086 Soil, NS-SOGP133-1-3 Collected: 04/26/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [17] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 369087 Soil, NS-SOGP133-4-6 Collected: 04/26/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 120 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 71 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [34] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 1200 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 57 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | [37] | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

Sample: 369088 Soil, NS-SOGP103-2-4 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 420 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 320 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | ND | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 1300 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 350 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 280 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 410 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample was diluted due to a high level of Naphthalene.

Sample: 369089 Soil, NS-SOGP103-6-8 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | ND | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | [35] | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 3300 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 100 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | ND | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

Sample: 369090 Soil, NS-SOGP103-10-12 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [22] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 369091 Soil, NS-SOGP147-2-4 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample: 369092 Soil, NS-SOGP147-13-15 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3500 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 2300 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 730 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 2000 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 1300 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 510 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 1400 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 420 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

Sample: 369093 Soil, NS-SOGP152-2-4 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [25] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 369094 Soil, NS-SQDup11-0405 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 280 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Sample: 369095 Soil, NS-SOGP153-1-3 Collected: 04/27/05 Analyzed: 05/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 61 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

Sample: 369096 Soil, NS-SOGP153-12-14 Collected: 04/27/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1700 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 410 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 120 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 2200 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 110 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | [45] | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 280 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 369097 Soil, NS-SOGP158-0-2 Collected: 04/27/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 82 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample: 369098 Soil, NS-SOGP157-1-3 Collected: 04/27/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [29] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

Sample: 369099 Soil, NS-SOGP157-10-12 Collected: 04/27/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 170 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 330 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 87 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 260 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 300 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | 120 | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [70] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | 110 | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 369100 NS-SQMeOHBlank 9-0405 Collected: 04/27/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [13] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP151-1-3 NLS ID: 369245
Ref. Line 1 COC 76420 Soil, NS-SOGP151-1-3 Matrix: SO
Collected: 04/27/05 15:20 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2800 | mg/Kg DWB | 1 | 6.8 | 25 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.77 | 2.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 30 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.16 | 0.57 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 49 | 97 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.9 | mg/Kg DWB | 1 | 0.49* | 1.7 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.29 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.2 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.2 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.0 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 7300 | mg/Kg DWB | 10 | 9.1 | 34 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1900 | mg/Kg DWB | 10 | 49 | 97 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 99 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.8 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 350 | mg/Kg DWB | 1 | 12 | 42 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.90 | 3.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 66 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.3 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 10 | mg/Kg DWB | 1 | 0.22 | 0.65 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP154-2-4 NLS ID: 369246
Ref. Line 2 COC 76420 Soil, NS-SOGP154-2-4 Matrix: SO
Collected: 04/27/05 15:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3000 | mg/Kg DWB | 1 | 6.9 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 30 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.22] | mg/Kg DWB | 5 | 0.17 | 0.58 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.89 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2700 | mg/Kg DWB | 10 | 50 | 99 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.2 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.2 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.5 | mg/Kg DWB | 1 | 0.20 | 0.73 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.30 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8000 | mg/Kg DWB | 10 | 9.3 | 34 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.4 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 50 | 99 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 97 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 6.2 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 410 | mg/Kg DWB | 1 | 12 | 43 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 73 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.1 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 11 | mg/Kg DWB | 1 | 0.22 | 0.66 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP154-13-15 NLS ID: 369247
Ref. Line 3 COC 76420 Soil, NS-SOGP154-13-15 Matrix: SO
Collected: 04/27/05 16:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 10000 | mg/Kg DWB | 1 | 7.4 | 28 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.98 | 3.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.93] | mg/Kg DWB | 20 | 0.78 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 75 | mg/Kg DWB | 1 | 0.18 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.55] | mg/Kg DWB | 5 | 0.18 | 0.62 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.96 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.16* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.5 | mg/Kg DWB | 1 | 0.50 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.21 | 0.78 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.9 | 37 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.7 | 21 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8600 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 13 | 46 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.5 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.24 | 0.71 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP148 1-3 NLS ID: 369248
Ref. Line 4 COC 76420 Soil, NS-SOGP148 1-3 Matrix: SO
Collected: 04/27/05 16:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3700 | mg/Kg DWB | 1 | 6.1 | 23 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 33 | mg/Kg DWB | 1 | 0.14 | 0.29 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 3.0 | mg/Kg DWB | 5 | 0.14 | 0.51 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.78 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 5700 | mg/Kg DWB | 10 | 43 | 87 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.8 | mg/Kg DWB | 1 | 0.43* | 1.5 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 8.0 | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.3 | mg/Kg DWB | 1 | 0.41 | 1.4 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.5 | mg/Kg DWB | 1 | 0.17 | 0.64 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8500 | mg/Kg DWB | 10 | 8.1 | 30 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [5.3] | mg/Kg DWB | 1 | 4.7 | 17 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2600 | mg/Kg DWB | 10 | 43 | 87 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 100 | mg/Kg DWB | 1 | 0.096 | 0.29 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 6.6 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 420 | mg/Kg DWB | 1 | 10 | 38 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.94 | 3.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 75 | mg/Kg DWB | 1 | 0.96 | 3.5 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.2 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.25 | 0.93 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.19 | 0.58 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup12-0405 NLS ID: 369249
Ref. Line 5 COC 76420 Soil, NS-SQDup12-0405 Matrix: SO
Collected: 04/27/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3100 | mg/Kg DWB | 1 | 6.6 | 24 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 32 | mg/Kg DWB | 1 | 0.16 | 0.31 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.19] | mg/Kg DWB | 5 | 0.16 | 0.55 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2700 | mg/Kg DWB | 10 | 47 | 94 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.1 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.44 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.5 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.44 | 1.5 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.6 | mg/Kg DWB | 1 | 0.18 | 0.69 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 7500 | mg/Kg DWB | 10 | 8.8 | 33 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 18 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1900 | mg/Kg DWB | 10 | 47 | 94 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 90 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.9 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 370 | mg/Kg DWB | 1 | 11 | 41 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 82 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.0 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.27 | 1.0 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.7 | mg/Kg DWB | 1 | 0.21 | 0.63 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP149-1-3 MS/MSD NLS ID: 369250
Ref. Line 6 COC 76420 Soil, NS-SOGP149-1-3 MS/MSD Matrix: SO
Collected: 04/28/05 07:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2400 | mg/Kg DWB | 1 | 7.1 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.99 | 3.5 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 25 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.14] | mg/Kg DWB | 2 | 0.068 | 0.24 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2400 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.7 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.0 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.8 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.1 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 6700 | mg/Kg DWB | 10 | 9.5 | 35 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.5 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1600 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 81 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [4.2] | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 330 | mg/Kg DWB | 1 | 12 | 44 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 63 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.1 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 14 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 8.4 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

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**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



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**Attn: Paul Sklar**
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**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP150-0-2 NLS ID: 369251
Ref. Line 7 COC 76420 Soil, NS-SOGP150-0-2 Matrix: SO
Collected: 04/28/05 08:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3000 | mg/Kg DWB | 1 | 6.7 | 25 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.98 | 3.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.78 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 29 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.16 | 0.56 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.86 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 48 | 95 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.9 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.16* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.0 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.1 | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.1 | mg/Kg DWB | 1 | 0.19 | 0.70 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8300 | mg/Kg DWB | 10 | 8.9 | 33 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1900 | mg/Kg DWB | 10 | 48 | 95 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 94 | mg/Kg DWB | 1 | 0.10 | 0.32 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.5 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 370 | mg/Kg DWB | 1 | 11 | 42 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 70 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.9 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 10 | mg/Kg DWB | 1 | 0.21 | 0.63 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP150-13-15 NLS ID: 369252
Ref. Line 8 COC 76420 Soil, NS-SOGP150-13-15 Matrix: SO
Collected: 04/28/05 09:15 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9100 | mg/Kg DWB | 1 | 7.0 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.87 | 3.1 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.54] | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 50 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.9 | mg/Kg DWB | 1 | 0.47 | 1.6 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.4 | 35 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.4 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7900 | mg/Kg DWB | 10 | 50 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 12 | 44 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.8 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 29 | mg/Kg DWB | 1 | 0.22 | 0.67 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP155-1-3 NLS ID: 369253
Ref. Line 9 COC 76420 Soil, NS-SOGP155-1-3 Matrix: SO
Collected: 04/28/05 09:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3100 | mg/Kg DWB | 1 | 7.1 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.85 | 3.0 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 31 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2600 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.3 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.16* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.4 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.2 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.6 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 7800 | mg/Kg DWB | 10 | 9.5 | 35 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.5 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1800 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 110 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.9 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 390 | mg/Kg DWB | 1 | 12 | 44 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 61 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.1 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.8 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP155-5-7 NLS ID: 369254
Ref. Line 10 COC 76420 Soil, NS-SOGP155-5-7 Matrix: SO
Collected: 04/28/05 09:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 8.1 | 30 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.95 | 3.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 0.76 | 2.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.19 | 0.39 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.71 | mg/Kg DWB | 5 | 0.19 | 0.67 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 58 | 120 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 28 | mg/Kg DWB | 1 | 0.58* | 2.0 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.18* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.58 | 2.0 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.2 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 29 | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 11 | 40 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 59 | mg/Kg DWB | 1 | 6.2 | 23 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8800 | mg/Kg DWB | 10 | 58 | 120 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 430 | mg/Kg DWB | 1 | 0.13 | 0.39 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 21 | mg/Kg DWB | 1 | 1.3 | 4.9 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 14 | 50 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.89 | 3.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 4.0 | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.3 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.34 | 1.2 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 92 | mg/Kg DWB | 1 | 0.26 | 0.77 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP156-0-2 NLS ID: 369255
Ref. Line 1 COC 76421 Soil, NS-SOGP156-0-2 Matrix: SO
Collected: 04/28/05 10:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3500 | mg/Kg DWB | 1 | 5.6 | 21 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.96 | 3.4 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 36 | mg/Kg DWB | 1 | 0.13 | 0.27 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.44] | mg/Kg DWB | 5 | 0.13 | 0.47 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.72 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 40 | 80 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.6 | mg/Kg DWB | 1 | 0.40* | 1.4 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.8 | mg/Kg DWB | 1 | 0.40 | 1.4 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.3 | mg/Kg DWB | 1 | 0.37 | 1.3 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.3 | mg/Kg DWB | 1 | 0.16 | 0.59 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8900 | mg/Kg DWB | 10 | 7.5 | 28 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.3 | 16 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2800 | mg/Kg DWB | 10 | 40 | 80 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 110 | mg/Kg DWB | 1 | 0.088 | 0.27 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.31 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 7.9 | mg/Kg DWB | 1 | 0.94 | 3.4 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 450 | mg/Kg DWB | 1 | 9.6 | 35 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 79 | mg/Kg DWB | 1 | 0.88 | 3.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.7 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.23 | 0.86 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.18 | 0.54 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP156-4-6 NLS ID: 369256
Ref. Line 2 COC 76421 Soil, NS-SOGP156-4-6 Matrix: SO
Collected: 04/28/05 11:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 17000 | mg/Kg DWB | 1 | 9.9 | 37 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.9] | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.7 | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 330 | mg/Kg DWB | 1 | 0.24 | 0.47 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 11 | mg/Kg DWB | 5 | 0.24 | 0.83 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.35 | 1.3 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 32000 | mg/Kg DWB | 10 | 71 | 140 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.71* | 2.5 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.25 | mg/Kg DWB | 2 | 0.21* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.71 | 2.5 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.2 | mg/Kg DWB | 1 | 0.66 | 2.3 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 30 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.40] | mg/Kg DWB | 1 | 0.14 | 0.43 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 13 | 49 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 50 | mg/Kg DWB | 1 | 7.7 | 28 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8000 | mg/Kg DWB | 10 | 71 | 140 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 2000 | mg/Kg DWB | 10 | 1.6 | 4.7 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.41 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.7 | 6.0 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6200 | mg/Kg DWB | 1 | 17 | 62 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.69 | 2.5 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 500 | mg/Kg DWB | 1 | 1.6 | 5.7 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 67.8 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.41 | 1.5 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 99 | mg/Kg DWB | 1 | 0.32 | 0.95 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP145-2-4 NLS ID: 369257
Ref. Line 3 COC 76421 Soil, NS-SOGP145-2-4 Matrix: SO
Collected: 04/28/05 11:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 7.4 | 27 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.9] | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 87 | mg/Kg DWB | 1 | 0.18 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.63] | mg/Kg DWB | 10 | 0.35 | 1.2 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 40000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 33 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 33 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 22 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 30000 | mg/Kg DWB | 10 | 9.8 | 37 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [11] | mg/Kg DWB | 1 | 5.7 | 21 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 340 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.35 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 13 | 46 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.0 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 40 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 46 | mg/Kg DWB | 1 | 0.24 | 0.70 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup13-0405 NLS ID: 369258
Ref. Line 4 COC 76421 Soil, NS-SQDup13-0405 Matrix: SO
Collected: 04/28/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 17000 | mg/Kg DWB | 1 | 7.2 | 27 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.96] | mg/Kg DWB | 10 | 0.34 | 1.2 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 33000 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.6 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.75 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 28000 | mg/Kg DWB | 10 | 9.6 | 36 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [15] | mg/Kg DWB | 1 | 5.5 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 13000 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 25 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2500 | mg/Kg DWB | 1 | 12 | 45 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [0.82] | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.4 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 48 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP145-13-15 NLS ID: 369259
Ref. Line 5 COC 76421 Soil, NS-SOGP145-13-15 Matrix: SO
Collected: 04/28/05 12:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9800 | mg/Kg DWB | 1 | 7.3 | 27 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.1 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 59 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.64 | mg/Kg DWB | 5 | 0.17 | 0.61 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 52 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 21 | mg/Kg DWB | 1 | 0.52* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 21 | mg/Kg DWB | 1 | 0.52 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.20 | 0.76 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.7 | 36 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.6 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7600 | mg/Kg DWB | 10 | 52 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 210 | mg/Kg DWB | 1 | 0.11 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 45 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 40 | 2.1 | 7.4 | 06/10/05 | SW846 7740 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 70.4 % and 73.6 % respectively. Problem attributed to sample matrix. | | | | | | | |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.3 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 29 | mg/Kg DWB | 1 | 0.23 | 0.69 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP146-0-3 NLS ID: 369260
Ref. Line 6 COC 76421 Soil, NS-SOGP146-0-3 Matrix: SO
Collected: 04/28/05 12:20 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 5600 | mg/Kg DWB | 1 | 7.1 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 91 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.56] | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8500 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.26 | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.6 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 40 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 9.4 | 35 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 58 | mg/Kg DWB | 1 | 5.5 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3400 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.13] | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 720 | mg/Kg DWB | 1 | 12 | 44 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 98 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.9 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 120 | mg/Kg DWB | 1 | 0.23 | 0.67 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

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**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP146-10-12 NLS ID: 369261
Ref. Line 7 COC 76421 Soil, NS-SOGP146-10-12 Matrix: SO
Collected: 04/28/05 12:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1800 | mg/Kg DWB | 1 | 6.2 | 23 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.96 | 3.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.76 | 2.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 8.3 | mg/Kg DWB | 1 | 0.15 | 0.30 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.17] | mg/Kg DWB | 2 | 0.060 | 0.21 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.80 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1200 | mg/Kg DWB | 10 | 45 | 89 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.2 | mg/Kg DWB | 1 | 0.45* | 1.6 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.2 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [1.4] | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 1.7 | mg/Kg DWB | 1 | 0.18 | 0.65 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 5500 | mg/Kg DWB | 10 | 8.3 | 31 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.8 | 18 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1200 | mg/Kg DWB | 10 | 45 | 89 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 45 | mg/Kg DWB | 1 | 0.098 | 0.30 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.9 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 190 | mg/Kg DWB | 1 | 11 | 39 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.89 | 3.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 33 | mg/Kg DWB | 1 | 0.98 | 3.6 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.3 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 13 | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 7.7 | mg/Kg DWB | 1 | 0.20 | 0.60 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 89051**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP144-4-6 NLS ID: 369262
Ref. Line 8 COC 76421 Soil, NS-SOGP144-4-6 Matrix: SO
Collected: 04/28/05 13:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.4 | 27 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 95 | mg/Kg DWB | 1 | 0.18 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.95 | mg/Kg DWB | 5 | 0.18 | 0.61 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 31000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 28 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.20 | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.6 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 9.8 | 36 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [17] | mg/Kg DWB | 1 | 5.7 | 21 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 21 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 13 | 46 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.7 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.23 | 0.70 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

Soil, NS-SQMeOH Blank 10-0405 NLS ID: 369263
Ref. Line 10 COC 76421 Soil, NS-SQMeOH Blank 10-0405 Matrix: TB
Collected: 04/28/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |

Soil, NS-SQMeOH Blank 11-0405 NLS ID: 369264
Ref. Line 1 COC 76422 Soil, NS-SQMeOH Blank 11-0405 Matrix: TB
Collected: 04/28/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 89051**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369245 Soil, NS-SOGP151-1-3 Collected: 04/27/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 65% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369246 Soil, NS-SOGP154-2-4 Collected: 04/27/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Additional non-target compounds present.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369247 Soil, NS-SOGP154-13-15 Collected: 04/27/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 260 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | 160 | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 110 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [100] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [81] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [53] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [110] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 220 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 120 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 140 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 180 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | 200 | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | 250 | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 320 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 520 | ug/Kg | 1 | 37 | 120 |
| Phenol | 300 | ug/Kg | 1 | 28 | 94 |
| Pyrene | 360 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [69] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369248 Soil, NS-SOGP148 1-3 Collected: 04/27/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369249 Soil, NS-SQDup12-0405 Collected: 04/27/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369250 Soil, NS-SOGP149-1-3 MS/MSD Collected: 04/28/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369251 Soil, NS-SOGP150-0-2 Collected: 04/28/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369252 Soil, NS-SOGP150-13-15 Collected: 04/28/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 2200 | ug/Kg | 4 | 130 | 430 |
| Acenaphthylene | [220] | ug/Kg | 4 | 120 | 410 |
| Anthracene | 1100 | ug/Kg | 4 | 150 | 510 |
| Benzo[a]anthracene | 710 | ug/Kg | 4 | 140 | 460 |
| Benzo[a]pyrene | 700 | ug/Kg | 4 | 140 | 450 |
| Benzo[b]fluoranthene | 540 | ug/Kg | 4 | 150 | 500 |
| Benzo[g,h,i]perylene | [310] | ug/Kg | 4 | 130 | 430 |
| Benzo[k]fluoranthene | ND | ug/Kg | 4 | 150 | 510 |
| Chrysene | 690 | ug/Kg | 4 | 140 | 480 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 4 | 140 | 450 |
| Dibenzofuran | ND | ug/Kg | 4 | 130 | 420 |
| Fluoranthene | 1600 | ug/Kg | 4 | 150 | 500 |
| Fluorene | 1000 | ug/Kg | 4 | 130 | 430 |
| Indeno[1,2,3-cd]pyrene | [210] | ug/Kg | 4 | 120 | 420 |
| 1-Methylnaphthalene | 1400 | ug/Kg | 4 | 130 | 420 |
| 2-Methylnaphthalene | 1400 | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | ND | ug/Kg | 4 | 100 | 350 |
| 3 & 4-Methylphenol | ND | ug/Kg | 4 | 220 | 770 |
| Naphthalene | 1600 | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | 4100 | ug/Kg | 4 | 150 | 490 |
| Phenol | [180] | ug/Kg | 4 | 110 | 380 |
| Pyrene | 2500 | ug/Kg | 4 | 140 | 470 |
| Benzo[e]pyrene | [430] | ug/Kg | 4 | 150 | 510 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369253 Soil, NS-SOGP155-1-3 Collected: 04/28/05 Analyzed: 05/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/23/2005 13:48**

Sample: 369254 Soil, NS-SOGP155-5-7 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [440] | ug/Kg | 8 | 260 | 860 |
| Acenaphthylene | 1400 | ug/Kg | 8 | 250 | 820 |
| Anthracene | 1200 | ug/Kg | 8 | 310 | 1000 |
| Benzo[a]anthracene | 3600 | ug/Kg | 8 | 270 | 910 |
| Benzo[a]pyrene | 4800 | ug/Kg | 8 | 270 | 910 |
| Benzo[b]fluoranthene | 4700 | ug/Kg | 8 | 300 | 1000 |
| Benzo[g,h,i]perylene | 2600 | ug/Kg | 8 | 260 | 870 |
| Benzo[k]fluoranthene | 1100 | ug/Kg | 8 | 310 | 1000 |
| Chrysene | 4300 | ug/Kg | 8 | 290 | 950 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 8 | 270 | 910 |
| Dibenzofuran | ND | ug/Kg | 8 | 250 | 840 |
| Fluoranthene | 6500 | ug/Kg | 8 | 300 | 1000 |
| Fluorene | [550] | ug/Kg | 8 | 260 | 870 |
| Indeno[1,2,3-cd]pyrene | 1700 | ug/Kg | 8 | 250 | 830 |
| 1-Methylnaphthalene | ND | ug/Kg | 8 | 250 | 840 |
| 2-Methylnaphthalene | ND | ug/Kg | 8 | 250 | 830 |
| 2-Methylphenol | ND | ug/Kg | 8 | 210 | 700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 8 | 440 | 1500 |
| Naphthalene | ND | ug/Kg | 8 | 250 | 820 |
| Phenanthrene | 2100 | ug/Kg | 8 | 290 | 980 |
| Phenol | ND | ug/Kg | 8 | 230 | 750 |
| Pyrene | 10000 | ug/Kg | 8 | 280 | 950 |
| Benzo[e]pyrene | 3600 | ug/Kg | 8 | 300 | 1000 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 81% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369255 Soil, NS-SOGP156-0-2 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369256 Soil, NS-SOGP156-4-6 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 8000 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | 4500 | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 7100 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | 10000 | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | 14000 | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | 13000 | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | 6700 | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | 3500 | ug/Kg | 20 | 760 | 2500 |
| Chrysene | 12000 | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 20000 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 4700 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | 4400 | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 4900 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 3700 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 4600 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 19000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 29000 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | 9800 | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369257 Soil, NS-SOGP145-2-4 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369258 Soil, NS-SQDup13-0405 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369259 Soil, NS-SOGP145-13-15 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 1900 | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [300] | ug/Kg | 5 | 150 | 510 |
| Anthracene | 2200 | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | 980 | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | 730 | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | 700 | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | [220] | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | 880 | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | [260] | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | 2200 | ug/Kg | 5 | 190 | 620 |
| Fluorene | 1400 | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | 1100 | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | 820 | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | 1000 | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | 6300 | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 2800 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [400] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369260 Soil, NS-SOGP146-0-3 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | 300 | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 290 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 500 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | 600 | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [210] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | [150] | ug/Kg | 2 | 76 | 250 |
| Chrysene | 360 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 310 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | [120] | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | [110] | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | [120] | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 240 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 580 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | 410 | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 75% | | | | |
| Phenol-d5 (SURR**) | 80% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369261 Soil, NS-SOGP146-10-12 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [43] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [65] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

Sample: 369262 Soil, NS-SOGP144-4-6 Collected: 04/28/05 Analyzed: 05/31/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [42] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

Sample: 369245 Soil, NS-SOGP151-1-3 Collected: 04/27/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 3900 | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample: 369246 Soil, NS-SOGP154-2-4 Collected: 04/27/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 140 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample: 369247 Soil, NS-SOGP154-13-15 Collected: 04/27/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4100 | ug/kg | 2.5 | 38 | 130 |
| sec-Butylbenzene | ND | ug/kg | 2.5 | 48 | 160 |
| Ethylbenzene | 640 | ug/kg | 2.5 | 39 | 130 |
| ortho-Xylene | 180 | ug/kg | 2.5 | 32 | 110 |
| Styrene | ND | ug/kg | 2.5 | 43 | 140 |
| Toluene | 1500 | ug/kg | 2.5 | 26 | 84 |
| 1,2,4-Trimethylbenzene | 130 | ug/kg | 2.5 | 37 | 120 |
| 1,3,5-Trimethylbenzene | 220 | ug/kg | 2.5 | 41 | 140 |
| meta,para-Xylene | 390 | ug/kg | 2.5 | 63 | 220 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2.5 | 47 | 160 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

Sample: 369248 Soil, NS-SOGP148 1-3 Collected: 04/27/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 369249 Soil, NS-SQDup12-0405 Collected: 04/27/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 120 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Sample: 369250 Soil, NS-SOGP149-1-3 MS/MSD Collected: 04/28/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 57 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

Sample: 369251 Soil, NS-SOGP150-0-2 Collected: 04/28/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 720 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 369252 Soil, NS-SOGP150-13-15 Collected: 04/28/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2400 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 1000 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 300 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 780 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 490 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 150 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 580 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 160 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

Sample: 369253 Soil, NS-SOGP155-1-3 Collected: 04/28/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

Sample: 369254 Soil, NS-SOGP155-5-7 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [27] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 87 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 369255 Soil, NS-SOGP156-0-2 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 77 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

Sample: 369256 Soil, NS-SOGP156-4-6 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [24] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [19] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 4600 | ug/kg | 2.5 | 26 | 84 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Toluene was reported beyond calibration range.

Sample: 369257 Soil, NS-SOGP145-2-4 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

Sample: 369258 Soil, NS-SQDup13-0405 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Sample: 369259 Soil, NS-SOGP145-13-15 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [20] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 110 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [38] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 76 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [40] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | [27] | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 369260 Soil, NS-SOGP146-0-3 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [22] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 200 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [22] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [35] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

Sample: 369261 Soil, NS-SOGP146-10-12 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [16] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [44] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 369262 Soil, NS-SOGP144-4-6 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [18] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Sample: 369263 Soil, NS-SQMeOH Blank 10-0405 Collected: 04/28/05 Analyzed: 05/12/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [11] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

Sample: 369264 Soil, NS-SQMeOH Blank 11-0405 Collected: 04/28/05 Analyzed: 05/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [11] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 91% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS23-0-1 NLS ID: 369338
Ref. Line 1 COC 76424 Soil, NS-SS23-0-1 Matrix: SO
Collected: 04/29/05 08:15 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.6 | 28 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.18 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.2 | mg/Kg DWB | 10 | 0.36 | 1.3 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.98 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 10000 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.6 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 27 | mg/Kg DWB | 1 | 0.21 | 0.80 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.12] | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 10 | 38 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 45 | mg/Kg DWB | 1 | 5.9 | 21 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7300 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 390 | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 370 | mg/Kg DWB | 1 | 13 | 47 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.3 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 390 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.1 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.32 | 1.2 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 68 | mg/Kg DWB | 1 | 0.24 | 0.72 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP160-3-5 NLS ID: 369339
Ref. Line 2 COC 76424 Soil, NS-SOGP160-3-5 Matrix: SO
Collected: 04/29/05 08:25 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.5 | 24 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 78 | mg/Kg DWB | 1 | 0.16 | 0.31 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.75] | mg/Kg DWB | 10 | 0.31 | 1.1 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.84 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4100 | mg/Kg DWB | 10 | 47 | 93 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.63 | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.8 | mg/Kg DWB | 1 | 0.44 | 1.5 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.18 | 0.69 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 8.7 | 32 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.6] | mg/Kg DWB | 1 | 5.0 | 18 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 47 | 93 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 24 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 11 | 41 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.4 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.27 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.21 | 0.62 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP160-8-10 NLS ID: 369340
Ref. Line 3 COC 76424 Soil, NS-SOGP160-8-10 Matrix: SO
Collected: 04/29/05 08:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1700 | mg/Kg DWB | 1 | 6.9 | 26 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.86 | 3.0 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 14 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.099] | mg/Kg DWB | 2 | 0.066 | 0.23 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.89 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2300 | mg/Kg DWB | 10 | 50 | 99 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 9.3 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 9.3 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.0 | mg/Kg DWB | 1 | 0.19 | 0.73 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 6200 | mg/Kg DWB | 10 | 9.2 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.4 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1200 | mg/Kg DWB | 10 | 50 | 99 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 67 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.2] | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 250 | mg/Kg DWB | 1 | 12 | 43 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 74 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.2 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 8.4 | mg/Kg DWB | 1 | 0.22 | 0.66 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS SS22-0-1 NLS ID: 369341
Ref. Line 4 COC 76424 Soil, NS SS22-0-1 Matrix: SO
Collected: 04/29/05 10:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 10000 | mg/Kg DWB | 1 | 6.8 | 25 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.9] | mg/Kg DWB | 20 | 0.98 | 3.5 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 180 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.75 | mg/Kg DWB | 5 | 0.16 | 0.57 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.59] | mg/Kg DWB | 1 | 0.24 | 0.88 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8500 | mg/Kg DWB | 10 | 49 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.49* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.9 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 53 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.13 | 0.39 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 9.1 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 440 | mg/Kg DWB | 1 | 5.3 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4800 | mg/Kg DWB | 10 | 49 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.40 | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 12 | 42 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 210 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 77.4 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 28 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 220 | mg/Kg DWB | 1 | 0.22 | 0.65 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP161-3-5 NLS ID: 369342
Ref. Line 5 COC 76424 Soil, NS-SOGP161-3-5 Matrix: SO
Collected: 04/29/05 10:15 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 15000 | mg/Kg DWB | 1 | 7.5 | 28 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 0.84 | 3.0 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.18 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.61] | mg/Kg DWB | 5 | 0.18 | 0.63 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.97 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 51000 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 28 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.16* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.9 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.21 | 0.79 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.38 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 10 | 37 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.7] | mg/Kg DWB | 1 | 5.8 | 21 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 14000 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 22 | mg/Kg DWB | 1 | 1.3 | 4.5 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 13 | 47 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.98 | 3.4 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.8 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 43 | mg/Kg DWB | 1 | 0.24 | 0.72 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup14-0405 NLS ID: 369343
Ref. Line 6 COC 76424 Soil, NS-SQDup14-0405 Matrix: SO
Collected: 04/29/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 6.9 | 25 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 65 | mg/Kg DWB | 1 | 0.16 | 0.33 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 10 | 0.33 | 1.1 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2400 | mg/Kg DWB | 10 | 49 | 98 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.49* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.16* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.19 | 0.72 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 9.1 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 5.3 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4900 | mg/Kg DWB | 10 | 49 | 98 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 170 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.31 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 43 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 91 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.9 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 41 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.22 | 0.65 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP161-8-10 MS/MSD NLS ID: 369344
Ref. Line 7 COC 76424 Soil, NS-SOGP161-8-10 MS/MSD Matrix: SO
Collected: 04/29/05 10:20 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.8 | 25 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 78 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.71] | mg/Kg DWB | 10 | 0.32 | 1.1 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 25000 | mg/Kg DWB | 10 | 48 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.6 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.0 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.8] | mg/Kg DWB | 1 | 5.2 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 48 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 12 | 42 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.6 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 36 | mg/Kg DWB | 1 | 0.22 | 0.64 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP161-12-14 NLS ID: 369345
Ref. Line 8 COC 76424 Soil, NS-SOGP161-12-14 Matrix: SO
Collected: 04/29/05 10:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6500 | mg/Kg DWB | 1 | 7.5 | 28 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 43 | mg/Kg DWB | 1 | 0.18 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.49] | mg/Kg DWB | 5 | 0.18 | 0.63 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.97 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9700 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.2 | mg/Kg DWB | 1 | 0.21 | 0.79 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 13000 | mg/Kg DWB | 10 | 10 | 37 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.8 | 21 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5000 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 150 | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 970 | mg/Kg DWB | 1 | 13 | 47 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.9 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 28 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 21 | mg/Kg DWB | 1 | 0.24 | 0.72 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS25-0-1 NLS ID: 369346
Ref. Line 9 COC 76424 Soil, NS-SS25-0-1 Matrix: SO
Collected: 04/29/05 11:10 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9100 | mg/Kg DWB | 1 | 8.1 | 30 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 0.88 | 3.1 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 73 | mg/Kg DWB | 1 | 0.19 | 0.39 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.93 | mg/Kg DWB | 5 | 0.19 | 0.68 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4400 | mg/Kg DWB | 10 | 58 | 120 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.58* | 2.1 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.58 | 2.1 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.16] | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 11 | 40 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 85 | mg/Kg DWB | 1 | 6.3 | 23 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3900 | mg/Kg DWB | 10 | 58 | 120 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.13 | 0.39 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 12 | mg/Kg DWB | 1 | 1.4 | 4.9 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 14 | 51 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 70 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.3 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.34 | 1.2 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 68 | mg/Kg DWB | 1 | 0.26 | 0.77 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP159-3-5 NLS ID: 369347
Ref. Line 10 COC 76424 Soil, NS-SOGP159-3-5 Matrix: SO
Collected: 04/29/05 11:20 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.9 | 29 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.5] | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.92 | 3.3 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 92 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 7.5 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 79000 | mg/Kg DWB | 100 | 560 | 1100 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 28 | mg/Kg DWB | 1 | 0.56* | 2.0 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.53 | 1.8 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 39 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.1 | 22 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 14000 | mg/Kg DWB | 10 | 56 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 230 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 14 | 49 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 2.0 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.2 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 34 | mg/Kg DWB | 1 | 0.25 | 0.75 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP159-8-10 NLS ID: 369348
Ref. Line 1 COC 76423 Soil, NS-SOGP159-8-10 Matrix: SO
Collected: 04/29/05 11:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 6.8 | 25 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 0.85 | 3.0 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.95 | mg/Kg DWB | 5 | 0.16 | 0.56 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 27000 | mg/Kg DWB | 10 | 48 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.4 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/05/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.0 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.2 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 48 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 12 | 42 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.99 | 3.4 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.5 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 39 | mg/Kg DWB | 1 | 0.22 | 0.64 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOGP159-12-14 NLS ID: 369349
Ref. Line 2 COC 76423 Soil, NS-SOGP159-12-14 Matrix: SO
Collected: 04/29/05 11:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7000 | mg/Kg DWB | 1 | 5.9 | 22 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.79 | 2.8 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 54 | mg/Kg DWB | 1 | 0.14 | 0.28 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.48] | mg/Kg DWB | 5 | 0.14 | 0.49 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.76 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 42 | 84 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.42* | 1.5 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.16* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.3 | mg/Kg DWB | 1 | 0.39 | 1.4 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 10 | mg/Kg DWB | 1 | 0.16 | 0.62 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.098 | 0.29 | 05/05/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 7.8 | 29 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.1] | mg/Kg DWB | 1 | 4.5 | 16 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6500 | mg/Kg DWB | 10 | 42 | 84 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 210 | mg/Kg DWB | 1 | 0.092 | 0.28 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 0.98 | 3.6 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 10 | 37 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.93 | 3.2 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.41 | 1.5 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 0.92 | 3.4 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.8 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 26 | mg/Kg DWB | 1 | 0.24 | 0.89 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 24 | mg/Kg DWB | 1 | 0.19 | 0.56 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS24-0-1 NLS ID: 369350
Ref. Line 3 COC 76423 Soil, NS-SS24-0-1 Matrix: SO
Collected: 04/29/05 12:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.3 | 27 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.8] | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 78 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.68 | mg/Kg DWB | 5 | 0.17 | 0.61 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4000 | mg/Kg DWB | 10 | 52 | 100 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 21 | mg/Kg DWB | 1 | 0.52* | 1.8 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.15* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.52 | 1.8 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.9 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/05/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.7 | 36 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 100 | mg/Kg DWB | 1 | 5.6 | 21 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3900 | mg/Kg DWB | 10 | 52 | 100 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.11 | 0.35 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.084 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 13 | 46 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.94 | 3.2 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 92 | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 94.5 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 28 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 82 | mg/Kg DWB | 1 | 0.23 | 0.70 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

Soil, NS SQMeOH Blank 12-04-05 NLS ID: 369351
Ref. Line 5 COC 76423 Soil, NS SQMeOH Blank 12-04-05 Matrix: TB
Collected: 04/29/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 89073**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369338 Soil, NS-SS23-0-1 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | [100] | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | [120] | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [160] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [85] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | [130] | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | [190] | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | [100] | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | [190] | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [110] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369339 Soil, NS-SOGP160-3-5 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369340 Soil, NS-SOGP160-8-10 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369341 Soil, NS SS22-0-1 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | [160] | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | [160] | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [230] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [90] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | [210] | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 310 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | [89] | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | [110] | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | [220] | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 310 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [160] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 55% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369342 Soil, NS-SOGP161-3-5 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369343 Soil, NS-SQDup14-0405 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369344 Soil, NS-SOGP161-8-10 MS/MSD Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369345 Soil, NS-SOGP161-12-14 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369346 Soil, NS-SS25-0-1 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | [82] | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | [85] | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [120] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | [110] | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | [150] | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | [110] | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | [160] | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | ND | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369347 Soil, NS-SOGP159-3-5 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369348 Soil, NS-SOGP159-8-10 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369349 Soil, NS-SOGP159-12-14 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

Sample: 369350 Soil, NS-SS24-0-1 Collected: 04/29/05 Analyzed: 06/01/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 160 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 170 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 240 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [84] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [70] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 210 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 340 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [50] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [51] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | [66] | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | [50] | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [51] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 200 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 390 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | 150 | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

Sample: 369338 Soil, NS-SS23-0-1 Collected: 04/29/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [20] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample: 369339 Soil, NS-SOGP160-3-5 Collected: 04/29/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample: 369340 Soil, NS-SOGP160-8-10 Collected: 04/29/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 55 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

Sample: 369341 Soil, NS SS22-0-1 Collected: 04/29/05 Analyzed: 05/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [18] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 880 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Sample: 369342 Soil, NS-SOGP161-3-5 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 369343 Soil, NS-SQDup14-0405 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

Sample: 369344 Soil, NS-SOGP161-8-10 MS/MSD Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 369345 Soil, NS-SOGP161-12-14 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 4000 | ug/kg | 2.5 | 26 | 84 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Sample: 369346 Soil, NS-SS25-0-1 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [24] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 2100 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [34] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

Sample: 369347 Soil, NS-SOGP159-3-5 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 369348 Soil, NS-SOGP159-8-10 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample: 369349 Soil, NS-SOGP159-12-14 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 9300 | ug/kg | 8 | 84 | 270 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

Sample: 369350 Soil, NS-SS24-0-1 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [26] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 49 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [20] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [34] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample: 369351 Soil, NS SQMeOH Blank 12-04-05 Collected: 04/29/05 Analyzed: 05/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [19] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS14-0-1 NLS ID: 373651
Ref. Line 1 COC 80118 Soil, NS-SS14-0-1 Matrix: SO
Collected: 06/07/05 13:30 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 5900 | mg/Kg DWB | 1 | 7.5 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/06/05 | SW846 7041 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 16 % and 14 % respectively. Problem attributed to sample matrix. | | | | | | | |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.1 | 4.0 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 83 | mg/Kg DWB | 1 | 0.18 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.69 | mg/Kg DWB | 5 | 0.18 | 0.62 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.62] | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.53* | 1.9 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.4 | mg/Kg DWB | 1 | 0.50 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 38 | mg/Kg DWB | 1 | 0.21 | 0.78 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.20] | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.9 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 150 | mg/Kg DWB | 1 | 5.8 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6800 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 360 | mg/Kg DWB | 1 | 0.12 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 650 | mg/Kg DWB | 1 | 13 | 47 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 250 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.4 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.24 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS21-0-1 NLS ID: 373652
Ref. Line 2 COC 80118 Soil, NS-SS21-0-1 Matrix: SO
Collected: 06/07/05 13:40 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2000 | mg/Kg DWB | 1 | 7.5 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 19 | mg/Kg DWB | 1 | 0.18 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.15] | mg/Kg DWB | 2 | 0.071 | 0.25 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.59] | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1000 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.8 | mg/Kg DWB | 1 | 0.54* | 1.9 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.0 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.9 | mg/Kg DWB | 1 | 0.21 | 0.79 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6200 | mg/Kg DWB | 10 | 10 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 28 | mg/Kg DWB | 1 | 5.8 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 840 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 100 | mg/Kg DWB | 1 | 0.12 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.8] | mg/Kg DWB | 1 | 1.3 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 260 | mg/Kg DWB | 1 | 13 | 47 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 52 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.7 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 13 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 180 | mg/Kg DWB | 1 | 0.24 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90155**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS12-0-1 NLS ID: 373653
Ref. Line 3 COC 80118 Soil, NS-SS12-0-1 Matrix: SO
Collected: 06/07/05 17:30 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7300 | mg/Kg DWB | 1 | 8.0 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.5] | mg/Kg DWB | 20 | 1.2 | 4.4 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 140 | mg/Kg DWB | 1 | 0.19 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.50] | mg/Kg DWB | 5 | 0.19 | 0.67 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.28] | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 57 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.57* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.57 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 31 | mg/Kg DWB | 1 | 0.23 | 0.84 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.12] | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 210 | mg/Kg DWB | 1 | 6.2 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6600 | mg/Kg DWB | 10 | 57 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.13 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.26] | mg/Kg DWB | 1 | 0.074 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 14 | 50 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.5] | mg/Kg DWB | 20 | 1.4 | 5.0 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 320 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.0 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.5 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 25 | mg/Kg DWB | 1 | 0.33 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 200 | mg/Kg DWB | 1 | 0.26 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS13-0-1 NLS ID: 373654
Ref. Line 4 COC 80118 Soil, NS-SS13-0-1 Matrix: SO
Collected: 06/07/05 17:40 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 8.1 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.2 | 4.3 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 150 | mg/Kg DWB | 1 | 0.19 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.71 | mg/Kg DWB | 5 | 0.19 | 0.67 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.58* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.17 | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.58 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 44 | mg/Kg DWB | 1 | 0.23 | 0.84 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 44 | mg/Kg DWB | 1 | 6.2 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6900 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.13 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.16] | mg/Kg DWB | 1 | 0.074 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.3 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 14 | 50 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.3 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.33 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 90 | mg/Kg DWB | 1 | 0.26 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS11-0-1 NLS ID: 373655
Ref. Line 5 COC 80118 Soil, NS-SS11-0-1 Matrix: SO
Collected: 06/08/05 12:50 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8500 | mg/Kg DWB | 1 | 8.1 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.19 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 5 | 0.19 | 0.68 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.68] | mg/Kg DWB | 1 | 0.29 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8900 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.58* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.58 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.0 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 63 | mg/Kg DWB | 1 | 0.23 | 0.85 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.13] | mg/Kg DWB | 1 | 0.13 | 0.38 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 53 | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4600 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.13 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.80 | mg/Kg DWB | 1 | 0.079 | 0.28 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.4 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 980 | mg/Kg DWB | 1 | 14 | 51 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 3.2 | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 72 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.3 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 140 | mg/Kg DWB | 1 | 0.26 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP104-0-1 NLS ID: 373656
Ref. Line 6 COC 80118 Soil, NS-SOTP104-0-1 Matrix: SO
Collected: 06/08/05 13:10 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7500 | mg/Kg DWB | 1 | 6.8 | 25 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.16 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.79 | mg/Kg DWB | 5 | 0.16 | 0.57 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 14000 | mg/Kg DWB | 10 | 49 | 97 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.49* | 1.7 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.18* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.45 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 40 | mg/Kg DWB | 1 | 0.19 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.1 | 34 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 460 | mg/Kg DWB | 1 | 5.2 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6200 | mg/Kg DWB | 10 | 49 | 97 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.11 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.24] | mg/Kg DWB | 1 | 0.075 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.1 | 4.1 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 42 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 3.9 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.5 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 160 | mg/Kg DWB | 1 | 0.22 | 0.65 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP103-0-1 NLS ID: 373657
Ref. Line 7 COC 80118 Soil, NS-SOTP103-0-1 Matrix: SO
Collected: 06/08/05 13:40 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 8.1 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 97 | mg/Kg DWB | 1 | 0.19 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.0 | mg/Kg DWB | 5 | 0.19 | 0.68 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 40000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.58* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.58 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.1 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 23 | mg/Kg DWB | 1 | 0.23 | 0.85 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [20] | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 13000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.13 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.075 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.4 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 14 | 51 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.2 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 52 | mg/Kg DWB | 1 | 0.26 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP107-0-1 NLS ID: 373658
Ref. Line 8 COC 80118 Soil, NS-SOTP107-0-1 Matrix: SO
Collected: 06/08/05 14:10 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9600 | mg/Kg DWB | 1 | 7.0 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.4 | 5.1 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 1.1 | 4.0 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.17 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.73 | mg/Kg DWB | 5 | 0.17 | 0.58 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.89 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 50 | 99 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.50* | 1.8 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.28 | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.20 | 0.73 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.3 | 34 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [18] | mg/Kg DWB | 1 | 5.4 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7900 | mg/Kg DWB | 10 | 50 | 99 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.11 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.071 | 0.25 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.2 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 12 | 43 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.1 | 4.0 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.4 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.0 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.29 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.22 | 0.66 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

NS- SQMeOH Blank - 1-0605 NLS ID: 373659
Ref. Line 10 COC 80118 NS- SQMeOH Blank - 1-0605 Matrix: TB
Collected: 06/08/05 00:00 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90155**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

Sample: 373651 Soil, NS-SS14-0-1 Collected: 06/07/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | [350] | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [390] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [560] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | [210] | ug/Kg | 5 | 190 | 640 |
| Chrysene | [410] | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | 730 | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | [190] | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | 620 | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 770 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [330] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

Sample: 373652 Soil, NS-SS21-0-1 Collected: 06/07/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | ND | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | ND | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | ND | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | ND | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | ND | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | ND | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | ND | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

Sample: 373653 Soil, NS-SS12-0-1 Collected: 06/07/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [490] | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | [410] | ug/Kg | 10 | 310 | 1000 |
| Anthracene | 1600 | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 4100 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 3700 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 5300 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [1000] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | 2200 | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 4300 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 8800 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | [570] | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | [580] | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 6800 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 9400 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 2500 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 81% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

Sample: 373654 Soil, NS-SS13-0-1 Collected: 06/07/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [290] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [330] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [250] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [330] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [250] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 65% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

Sample: 373655 Soil, NS-SS11-0-1 Collected: 06/08/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [230] | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | [270] | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [440] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [500] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | [320] | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [340] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [540] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [380] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 81% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

Sample: 373656 Soil, NS-SOTP104-0-1 Collected: 06/08/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [1000] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [960] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 1500 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [460] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [1100] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 2100 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 1400 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 2200 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [720] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

Sample: 373657 Soil, NS-SOTP103-0-1 Collected: 06/08/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

Sample: 373658 Soil, NS-SOTP107-0-1 Collected: 06/08/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:52**

Sample: 373651 Soil, NS-SS14-0-1 Collected: 06/07/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [20] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 60 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 55 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [43] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [65] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

Sample: 373652 Soil, NS-SS21-0-1 Collected: 06/07/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Sample: 373653 Soil, NS-SS12-0-1 Collected: 06/07/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 94% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:52**

Sample: 373654 Soil, NS-SS13-0-1 Collected: 06/07/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [16] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [29] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Sample: 373655 Soil, NS-SS11-0-1 Collected: 06/08/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

Sample: 373656 Soil, NS-SOTP104-0-1 Collected: 06/08/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:52**

Sample: 373657 Soil, NS-SOTP103-0-1 Collected: 06/08/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [13] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample: 373658 Soil, NS-SOTP107-0-1 Collected: 06/08/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

Sample: 373659 NS- SQMeOH Blank - 1-0605 Collected: 06/08/05 Analyzed: 06/10/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90156**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQ Equip Blank 1-0605 NLS ID: 373660
Ref. Line 1 COC 80118(C) NS-SQ Equip Blank 1-0605 Matrix: GW
Collected: 06/08/05 14:00 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 07/05/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 07/05/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 07/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 07/05/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/06/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/05/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/09/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/11/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.45 | 1.4 | 07/05/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [1.4] | ug/L | 1 | 1.3 | 4.0 | 07/05/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/05/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 07/05/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/20/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 07/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 07/08/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 07/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.083] | mg/L | 1 | 0.033 | 0.12 | 07/08/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/05/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 06/29/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 06/29/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/15/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/22/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90156**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQ Equip Blank 2-0605 NLS ID: 374032
Ref. Line 5 COC 80122(C) NS-SQ Equip Blank 2-0605 Matrix: GW
Collected: 06/09/05 13:30 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 07/05/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 07/05/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 07/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 07/05/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/06/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/05/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/10/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/11/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.83] | ug/L | 1 | 0.45 | 1.4 | 07/05/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/05/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/05/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 07/05/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/20/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 07/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 07/08/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 07/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.066] | mg/L | 1 | 0.033 | 0.12 | 07/08/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [5.7] | ug/L | 1 | 5.0* | 10 | 07/05/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 06/29/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 06/29/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90156**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375 Rinsate Blanks**

NS-SQ Equip Blank 3-0605 NLS ID: 374539
Ref. Line 4 COC 73785(C) NS-SQ Equip Blank 3-0605 Matrix: GW
Collected: 06/14/05 13:15 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 07/05/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 07/05/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 07/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 07/05/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/06/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/05/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/15/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/11/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 07/05/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/05/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/05/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 07/05/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.5] | ug/L | 1 | 1.0* | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/20/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 07/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 07/08/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 07/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.082] | mg/L | 1 | 0.033 | 0.12 | 07/08/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 32 | ug/L | 1 | 5.0* | 10 | 07/05/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 06/29/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 06/29/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/15/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/24/05 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90156**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 07/19/2005 14:42**

Sample: 373660 NS-SQ Equip Blank 1-0605 Collected: 06/08/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 92% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90156**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 07/19/2005 14:42**

Sample: 374539 NS-SQ Equip Blank 3-0605 Collected: 06/14/05 Analyzed: 06/24/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 163% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90156**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 07/19/2005 14:42**

Sample: 373660 NS-SQ Equip Blank 1-0605 Collected: 06/08/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Sample: 374032 NS-SQ Equip Blank 2-0605 Collected: 06/09/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 79% | | | | |
| Toluene-d8 (SURR**) | 78% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 76% | | | | |

Sample: 374539 NS-SQ Equip Blank 3-0605 Collected: 06/14/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 93% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90156**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: SAT2NSP** **Printed: 07/19/2005 14:42**

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP100-0-1 NLS ID: 374033
Ref. Line 1 COC 80119 Soil, NS-SOTP100-0-1 Matrix: SO
Collected: 06/08/05 15:45 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7000 | mg/Kg DWB | 1 | 7.3 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.1 | 4.0 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 47 | mg/Kg DWB | 1 | 0.17 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 8.3 | mg/Kg DWB | 5 | 0.17 | 0.61 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9700 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.52* | 1.8 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.9 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.21 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.7 | 36 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 28 | mg/Kg DWB | 1 | 5.6 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4300 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.11 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.088 | 0.31 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 770 | mg/Kg DWB | 1 | 13 | 46 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 4.2 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.2 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.0 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 50 | mg/Kg DWB | 1 | 0.23 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90205**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP101-0-1 NLS ID: 374034
Ref. Line 2 COC 80119 Soil, NS-SOTP101-0-1 Matrix: SO
Collected: 06/08/05 16:20 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 11 | 40 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 420 | mg/Kg DWB | 1 | 0.26 | 0.52 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.8 | mg/Kg DWB | 5 | 0.26 | 0.90 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | 12 | mg/Kg DWB | 1 | 0.38 | 1.4 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9300 | mg/Kg DWB | 10 | 77 | 150 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | mg/Kg DWB | 1 | 0.77* | 2.7 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.23* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.77 | 2.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 12 | mg/Kg DWB | 1 | 0.72 | 2.5 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 120 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.66 | mg/Kg DWB | 1 | 0.16 | 0.47 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 30000 | mg/Kg DWB | 10 | 14 | 54 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 950 | mg/Kg DWB | 1 | 8.3 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2800 | mg/Kg DWB | 10 | 77 | 150 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.17 | 0.52 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.18] | mg/Kg DWB | 1 | 0.083 | 0.29 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 33 | mg/Kg DWB | 1 | 1.8 | 6.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 890 | mg/Kg DWB | 1 | 19 | 68 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.1] | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.75 | 2.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 420 | mg/Kg DWB | 1 | 1.7 | 6.2 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 63.7 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.0 | 7.2 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 63 | mg/Kg DWB | 1 | 0.45 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 4100 | mg/Kg DWB | 10 | 3.5 | 10 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP106-0-1 NLS ID: 374035
Ref. Line 3 COC 80119 Soil, NS-SOTP106-0-1 Matrix: SO
Collected: 06/08/05 16:45 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 6.9 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.0 | 3.7 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 62 | mg/Kg DWB | 1 | 0.16 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.75] | mg/Kg DWB | 10 | 0.33 | 1.1 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9800 | mg/Kg DWB | 10 | 49 | 98 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | mg/Kg DWB | 1 | 0.49* | 1.7 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.35 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.0 | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.19 | 0.72 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 40000 | mg/Kg DWB | 10 | 9.2 | 34 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 56 | mg/Kg DWB | 1 | 5.3 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5400 | mg/Kg DWB | 10 | 49 | 98 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.11 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.073 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.1 | 4.2 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 940 | mg/Kg DWB | 1 | 12 | 43 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 40 | 2.4 | 8.4 | 06/27/05 | SW846 7740 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 92 | mg/Kg DWB | 1 | 1.1 | 3.9 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.0 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.5 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 64 | mg/Kg DWB | 1 | 0.22 | 0.65 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP108-0-1 NLS ID: 374036
Ref. Line 4 COC 80119 Soil, NS-SOTP108-0-1 Matrix: SO
Collected: 06/08/05 17:10 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7500 | mg/Kg DWB | 1 | 8.1 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.7 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.1] | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.19 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.68] | mg/Kg DWB | 5 | 0.19 | 0.68 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.58* | 2.1 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.22* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.58 | 2.1 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 71 | mg/Kg DWB | 1 | 0.23 | 0.85 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.4 | mg/Kg DWB | 1 | 0.15 | 0.46 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 170 | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.13 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.13] | mg/Kg DWB | 1 | 0.081 | 0.29 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.4 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 870 | mg/Kg DWB | 1 | 14 | 51 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.8 | 6.1 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [1.0] | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 240 | mg/Kg DWB | 1 | 1.3 | 4.7 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 64.8 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [2.4] | mg/Kg DWB | 20 | 2.2 | 7.9 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 250 | mg/Kg DWB | 1 | 0.26 | 0.78 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP109-0-1 NLS ID: 374037
Ref. Line 5 COC 80119 Soil, NS-SOTP109-0-1 Matrix: SO
Collected: 06/08/05 17:15 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8000 | mg/Kg DWB | 1 | 7.4 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.18 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 5 | 0.18 | 0.62 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.34] | mg/Kg DWB | 1 | 0.26 | 0.95 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.53* | 1.9 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.4 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 35 | mg/Kg DWB | 1 | 0.21 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.8 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 180 | mg/Kg DWB | 1 | 5.7 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5900 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.12 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.17] | mg/Kg DWB | 1 | 0.073 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 13 | 46 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.7 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 1.2 | 4.2 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.9 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 160 | mg/Kg DWB | 1 | 0.24 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90205**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP110-0-1 NLS ID: 374038
Ref. Line 6 COC 80119 Soil, NS-SOTP110-0-1 Matrix: SO
Collected: 06/08/05 17:30 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4300 | mg/Kg DWB | 1 | 7.1 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.2] | mg/Kg DWB | 20 | 1.2 | 4.3 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.17 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 100 | 3.4 | 12 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 50 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | mg/Kg DWB | 1 | 0.50* | 1.8 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 16 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.0 | mg/Kg DWB | 1 | 0.47 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 30 | mg/Kg DWB | 1 | 0.20 | 0.74 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.16] | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 94000 | mg/Kg DWB | 100 | 94 | 350 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 82 | mg/Kg DWB | 1 | 5.5 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 50 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.11 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.17] | mg/Kg DWB | 1 | 0.075 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 640 | mg/Kg DWB | 1 | 12 | 44 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.4] | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 52 | mg/Kg DWB | 1 | 1.1 | 4.0 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.1 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 21 | mg/Kg DWB | 1 | 0.29 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 100 | mg/Kg DWB | 1 | 0.23 | 0.67 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS19-0-1 NLS ID: 374039
Ref. Line 7 COC 80119 Soil, NS-SS19-0-1 Matrix: SO
Collected: 06/08/05 17:50 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.9 | 29 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 8.5 | mg/Kg DWB | 20 | 1.2 | 4.2 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 83 | mg/Kg DWB | 1 | 0.19 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.88 | mg/Kg DWB | 5 | 0.19 | 0.66 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.36] | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 56 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWB | 1 | 0.56* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.17 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 25 | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.5 | mg/Kg DWB | 1 | 0.53 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.22 | 0.83 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 11 | 39 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 40 | mg/Kg DWB | 1 | 6.1 | 22 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6600 | mg/Kg DWB | 10 | 56 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.12 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.083] | mg/Kg DWB | 1 | 0.075 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.3 | 4.8 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 14 | 49 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.3 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.33 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 120 | mg/Kg DWB | 1 | 0.25 | 0.75 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS20-0-1 NLS ID: 374040
Ref. Line 8 COC 80119 Soil, NS-SS20-0-1 Matrix: SO
Collected: 06/08/05 18:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 7.5 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.9] | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 77 | mg/Kg DWB | 1 | 0.18 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.80 | mg/Kg DWB | 5 | 0.18 | 0.63 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.97 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 14000 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.54* | 1.9 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.3 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.21 | 0.79 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 10 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 25 | mg/Kg DWB | 1 | 5.8 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7700 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.12 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.076 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 13 | 47 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.1 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 53 | mg/Kg DWB | 1 | 0.24 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS15-0-1 NLS ID: 374041
Ref. Line 9 COC 80119 Soil, NS-SS15-0-1 Matrix: SO
Collected: 06/08/05 18:10 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8000 | mg/Kg DWB | 1 | 7.0 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.6 | 5.7 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.5] | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 63 | mg/Kg DWB | 1 | 0.17 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.78 | mg/Kg DWB | 5 | 0.17 | 0.58 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 50 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.50* | 1.8 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.2 | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.20 | 0.73 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.3 | 35 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 34 | mg/Kg DWB | 1 | 5.4 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7100 | mg/Kg DWB | 10 | 50 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.073 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.2 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 12 | 43 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.1 | 4.0 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.6 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.8 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.29 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 55 | mg/Kg DWB | 1 | 0.22 | 0.66 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90205**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS17-0-1 NLS ID: 374042
Ref. Line 10 COC 80119 Soil, NS-SS17-0-1 Matrix: SO
Collected: 06/08/05 18:20 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9000 | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 0.95 | 3.4 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 62 | mg/Kg DWB | 1 | 0.15 | 0.30 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.31] | mg/Kg DWB | 5 | 0.15 | 0.52 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.81 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 45 | 90 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.45* | 1.6 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.45 | 1.6 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.3 | mg/Kg DWB | 1 | 0.42 | 1.5 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.18 | 0.66 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.67 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 8.4 | 31 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 22 | mg/Kg DWB | 1 | 4.8 | 18 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3700 | mg/Kg DWB | 10 | 45 | 90 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 480 | mg/Kg DWB | 1 | 0.099 | 0.30 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.0 | 3.8 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 990 | mg/Kg DWB | 1 | 11 | 39 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.6 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 0.99 | 3.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.7 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 50 | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 64 | mg/Kg DWB | 1 | 0.20 | 0.60 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374033 Soil, NS-SOTP100-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [420] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [470] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [560] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [780] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [410] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [730] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 77% | | | | |
| Phenol-d5 (SURR**) | 84% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 93% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374034 Soil, NS-SOTP101-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [570] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [770] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [1100] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [690] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [710] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | ND | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [890] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [750] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 90% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374035 Soil, NS-SOTP106-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 89% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374036 Soil, NS-SOTP108-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [660] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [760] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [1200] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [800] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 1500 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [890] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1400 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [650] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374037 Soil, NS-SOTP109-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [510] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [540] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [720] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [540] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [1000] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [640] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [1100] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 72% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 92% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374038 Soil, NS-SOTP110-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 72% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374039 Soil, NS-SS19-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [270] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [310] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 56% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 91% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374040 Soil, NS-SS20-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 90% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374041 Soil, NS-SS15-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | ND | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | ND | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [540] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 95% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

Sample: 374042 Soil, NS-SS17-0-1 Collected: 06/08/05 Analyzed: 06/18/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [510] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [770] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [420] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [730] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 77% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 95% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 113% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:53**

Sample: 374033 Soil, NS-SOTP100-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [12] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 374034 Soil, NS-SOTP101-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [17] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Sample: 374035 Soil, NS-SOTP106-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [29] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [27] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [19] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [34] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 8% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:53**

Sample: 374036 Soil, NS-SOTP108-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [17] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Sample: 374037 Soil, NS-SOTP109-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [19] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 374038 Soil, NS-SOTP110-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [26] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:53**

Sample: 374039 Soil, NS-SS19-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

Sample: 374040 Soil, NS-SS20-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 374041 Soil, NS-SS15-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:53**

Sample: 374042 Soil, NS-SS17-0-1 Collected: 06/08/05 Analyzed: 06/11/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90206**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP102-0-1 (MS/MSD) NLS ID: 374043
Ref. Line 1 COC 80122 Soil, NS-SOTP102-0-1 (MS/MSD) Matrix: SO
Collected: 06/09/05 07:30 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6400 | mg/Kg DWB | 1 | 5.5 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.0 | 3.5 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 31 | mg/Kg DWB | 1 | 0.13 | 0.26 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.79 | mg/Kg DWB | 5 | 0.13 | 0.46 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 39 | 78 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.39* | 1.4 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.32 | mg/Kg DWB | 2 | 0.15* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.39 | 1.4 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.36 | 1.3 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.15 | 0.57 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 7.3 | 27 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [5.2] | mg/Kg DWB | 1 | 4.2 | 15 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3600 | mg/Kg DWB | 10 | 39 | 78 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 210 | mg/Kg DWB | 1 | 0.086 | 0.26 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.083 | 0.29 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 0.91 | 3.3 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 530 | mg/Kg DWB | 1 | 9.4 | 34 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/28/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.38 | 1.4 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 0.86 | 3.1 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 95.7 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.23 | 0.83 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 23 | mg/Kg DWB | 1 | 0.17 | 0.52 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90206**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SOTP105-0-1 NLS ID: 374044
Ref. Line 2 COC 80122 Soil, NS-SOTP105-0-1 Matrix: SO
Collected: 06/09/05 07:45 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 870 | mg/Kg DWB | 1 | 5.8 | 22 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.94 | 3.3 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 10 | mg/Kg DWB | 1 | 0.14 | 0.28 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.10] | mg/Kg DWB | 2 | 0.055 | 0.19 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.75 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 370 | mg/Kg DWB | 10 | 41 | 83 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 2.1 | mg/Kg DWB | 1 | 0.41* | 1.5 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.26 | mg/Kg DWB | 2 | 0.15* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 2.4 | mg/Kg DWB | 1 | 0.41 | 1.5 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [0.91] | mg/Kg DWB | 1 | 0.39 | 1.4 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 2.2 | mg/Kg DWB | 1 | 0.16 | 0.61 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4100 | mg/Kg DWB | 10 | 7.7 | 29 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.5 | 16 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 400 | mg/Kg DWB | 10 | 41 | 83 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 100 | mg/Kg DWB | 1 | 0.091 | 0.28 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.084 | 0.30 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [2.0] | mg/Kg DWB | 1 | 0.97 | 3.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 120 | mg/Kg DWB | 1 | 9.9 | 36 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/28/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.40 | 1.4 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 16 | mg/Kg DWB | 1 | 0.91 | 3.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 94.2 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 8.9 | mg/Kg DWB | 1 | 0.24 | 0.88 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 4.3 | mg/Kg DWB | 1 | 0.18 | 0.55 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90206**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup 01-0605 NLS ID: 374045
Ref. Line 3 COC 80122 Soil, NS-SQDup 01-0605 Matrix: SO
Collected: 06/09/05 00:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7500 | mg/Kg DWB | 1 | 9.2 | 34 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | mg/Kg DWB | 20 | 1.4 | 5.1 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.22 | 0.44 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.57] | mg/Kg DWB | 5 | 0.22 | 0.77 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.46] | mg/Kg DWB | 1 | 0.32 | 1.2 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 66 | 130 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.66* | 2.3 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.21* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.66 | 2.3 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.4 | mg/Kg DWB | 1 | 0.61 | 2.1 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 67 | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.3 | mg/Kg DWB | 1 | 0.14 | 0.43 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 12 | 46 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 170 | mg/Kg DWB | 1 | 7.1 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5600 | mg/Kg DWB | 10 | 66 | 130 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.14 | 0.44 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.11] | mg/Kg DWB | 1 | 0.076 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.5 | 5.6 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 820 | mg/Kg DWB | 1 | 16 | 57 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.7 | 5.8 | 06/28/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.63 | 2.3 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.4 | 5.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 69.1 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.5 | 07/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.38 | 1.4 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 250 | mg/Kg DWB | 1 | 0.29 | 0.88 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90206**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup 02-0605 NLS ID: 374046
Ref. Line 4 COC 80122 Soil, NS-SQDup 02-0605 Matrix: SO
Collected: 06/09/05 00:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 630 | mg/Kg DWB | 1 | 7.7 | 29 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 7.5 | mg/Kg DWB | 1 | 0.18 | 0.37 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.081] | mg/Kg DWB | 2 | 0.074 | 0.26 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.99 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 380 | mg/Kg DWB | 10 | 55 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 2.6 | mg/Kg DWB | 1 | 0.55* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.19* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 2.6 | mg/Kg DWB | 1 | 0.55 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [0.72] | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 2.1 | mg/Kg DWB | 1 | 0.22 | 0.81 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.1 | mg/Kg DWB | 1 | 0.13 | 0.40 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4100 | mg/Kg DWB | 10 | 10 | 38 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.0 | 22 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 370 | mg/Kg DWB | 10 | 55 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 42 | mg/Kg DWB | 1 | 0.12 | 0.37 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.070 | 0.25 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [2.0] | mg/Kg DWB | 1 | 1.3 | 4.7 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 93 | mg/Kg DWB | 1 | 13 | 48 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/28/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 75.3 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 07/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 8.9 | mg/Kg DWB | 1 | 0.32 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 3.8 | mg/Kg DWB | 1 | 0.25 | 0.74 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

Soil, NS-SQMeOH Blank 2-0605 NLS ID: 374047
Ref. Line 6 COC 80122 Soil, NS-SQMeOH Blank 2-0605 Matrix: TB
Collected: 06/09/05 00:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |

Soil, NS-SQMeOH Blank 3-0605 NLS ID: 374048
Ref. Line 7 COC 80122 Soil, NS-SQMeOH Blank 3-0605 Matrix: TB
Collected: 06/09/05 00:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90206**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:54**

Sample: 374043 Soil, NS-SOTP102-0-1 (MS/MSD) Collected: 06/09/05 Analyzed: 06/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:54**

Sample: 374044 Soil, NS-SOTP105-0-1 Collected: 06/09/05 Analyzed: 06/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:54**

Sample: 374045 Soil, NS-SQDup 01-0605 Collected: 06/09/05 Analyzed: 06/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 1500 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 1600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 2400 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [790] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [830] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1800 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 3900 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | [520] | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 2600 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 3300 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 1300 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 65% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 47% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:54**

Sample: 374046 Soil, NS-SQDup 02-0605 Collected: 06/09/05 Analyzed: 06/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:54**

Sample: 374043 Soil, NS-SOTP102-0-1 (MS/MSD) Collected: 06/09/05 Analyzed: 06/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 374044 Soil, NS-SOTP105-0-1 Collected: 06/09/05 Analyzed: 06/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 374045 Soil, NS-SQDup 01-0605 Collected: 06/09/05 Analyzed: 06/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:54**

Sample: 374046 Soil, NS-SQDup 02-0605 Collected: 06/09/05 Analyzed: 06/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 374047 Soil, NS-SQMeOH Blank 2-0605 Collected: 06/09/05 Analyzed: 06/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample: 374048 Soil, NS-SQMeOH Blank 3-0605 Collected: 06/09/05 Analyzed: 06/13/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP118-0-1 NLS ID: 374540
Ref. Line 1 COC 76426 Soil, NS-S0TP118-0-1 Matrix: SO
Collected: 06/13/05 12:20 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 8.8 | 33 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.3 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [5.4] | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.21 | 0.42 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.8 | mg/Kg DWB | 5 | 0.21 | 0.73 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.71] | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 10000 | mg/Kg DWB | 10 | 63 | 130 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWB | 1 | 0.63* | 2.2 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.21* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 25 | mg/Kg DWB | 1 | 0.63 | 2.2 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.6 | mg/Kg DWB | 1 | 0.58 | 2.0 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 70 | mg/Kg DWB | 1 | 0.25 | 0.92 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.1 | mg/Kg DWB | 1 | 0.14 | 0.43 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 12 | 43 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 79 | mg/Kg DWB | 1 | 6.8 | 25 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5600 | mg/Kg DWB | 10 | 63 | 130 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 510 | mg/Kg DWB | 1 | 0.14 | 0.42 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.19] | mg/Kg DWB | 1 | 0.075 | 0.26 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.5 | 5.3 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 15 | 55 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.9 | 6.7 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.61 | 2.2 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.4 | 5.0 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 70.6 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.5 | 8.7 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.36 | 1.3 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 210 | mg/Kg DWB | 1 | 0.28 | 0.83 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP117-0-1 NLS ID: 374541
Ref. Line 2 COC 76426 Soil, NS-S0TP117-0-1 Matrix: SO
Collected: 06/13/05 14:10 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 9.6 | 36 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 2.0 | 7.2 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [5.0] | mg/Kg DWB | 20 | 1.6 | 5.7 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 190 | mg/Kg DWB | 1 | 0.23 | 0.46 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.48] | mg/Kg DWB | 5 | 0.23 | 0.80 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | 1.3 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 29000 | mg/Kg DWB | 10 | 69 | 140 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.69* | 2.4 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.28 | mg/Kg DWB | 2 | 0.20* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.69 | 2.4 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.64 | 2.2 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 120 | mg/Kg DWB | 1 | 0.27 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.32] | mg/Kg DWB | 1 | 0.14 | 0.43 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 26000 | mg/Kg DWB | 10 | 13 | 48 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 110 | mg/Kg DWB | 1 | 7.4 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 69 | 140 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 670 | mg/Kg DWB | 1 | 0.15 | 0.46 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.40 | mg/Kg DWB | 1 | 0.074 | 0.26 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.6 | 5.8 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 16 | 60 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.9 | 6.5 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 7.6 | mg/Kg DWB | 1 | 0.66 | 2.4 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.5 | 5.5 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 71.0 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.4 | 8.5 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.40 | 1.5 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 250 | mg/Kg DWB | 1 | 0.31 | 0.92 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP119-0-1 NLS ID: 374542
Ref. Line 3 COC 76426 Soil, NS-S0TP119-0-1 Matrix: SO
Collected: 06/13/05 15:30 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 5600 | mg/Kg DWB | 1 | 6.6 | 25 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 48 | mg/Kg DWB | 1 | 0.16 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.22] | mg/Kg DWB | 5 | 0.16 | 0.55 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3600 | mg/Kg DWB | 10 | 47 | 95 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | mg/Kg DWB | 1 | 0.47* | 1.7 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.34 | mg/Kg DWB | 2 | 0.16* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 12 | mg/Kg DWB | 1 | 0.47 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.44 | 1.5 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 11 | mg/Kg DWB | 1 | 0.19 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 14000 | mg/Kg DWB | 10 | 8.8 | 33 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.9] | mg/Kg DWB | 1 | 5.1 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3100 | mg/Kg DWB | 10 | 47 | 95 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 230 | mg/Kg DWB | 1 | 0.10 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.071 | 0.25 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 9.8 | mg/Kg DWB | 1 | 1.1 | 4.0 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 550 | mg/Kg DWB | 1 | 11 | 41 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 58 | mg/Kg DWB | 1 | 1.0 | 3.8 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 89.4 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.27 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 30 | mg/Kg DWB | 1 | 0.21 | 0.63 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP114-0-1 NLS ID: 374543
Ref. Line 4 COC 76426 Soil, NS-S0TP114-0-1 Matrix: SO
Collected: 06/13/05 15:45 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9200 | mg/Kg DWB | 1 | 7.3 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 190 | mg/Kg DWB | 1 | 0.17 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.33] | mg/Kg DWB | 5 | 0.17 | 0.61 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 7600 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.52* | 1.9 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.17 | mg/Kg DWB | 2 | 0.16* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.52 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 32 | mg/Kg DWB | 1 | 0.21 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.8 | 36 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 24 | mg/Kg DWB | 1 | 5.7 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4800 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.12 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.073 | 0.26 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 13 | 46 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 1.2 | 4.2 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.7 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 46 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 55 | mg/Kg DWB | 1 | 0.23 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP115-0-1 NLS ID: 374544
Ref. Line 5 COC 76426 Soil, NS-S0TP115-0-1 Matrix: SO
Collected: 06/13/05 16:00 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 8.2 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 160 | mg/Kg DWB | 1 | 0.19 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.74 | mg/Kg DWB | 5 | 0.19 | 0.68 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.1 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.58* | 2.1 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.37 | mg/Kg DWB | 2 | 0.18* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.58 | 2.1 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.7 | mg/Kg DWB | 1 | 0.55 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 45 | mg/Kg DWB | 1 | 0.23 | 0.86 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 11 | 41 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 37 | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7100 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.13 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.14] | mg/Kg DWB | 1 | 0.077 | 0.27 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.4 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 14 | 51 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 4.4 | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 95 | mg/Kg DWB | 1 | 1.3 | 4.7 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.6 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 85 | mg/Kg DWB | 1 | 0.26 | 0.78 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP116-0-1 NLS ID: 374545
Ref. Line 6 COC 76426 Soil, NS-S0TP116-0-1 Matrix: SO
Collected: 06/13/05 16:15 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8000 | mg/Kg DWB | 1 | 7.4 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 48 | mg/Kg DWB | 1 | 0.18 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.58] | mg/Kg DWB | 5 | 0.18 | 0.62 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4600 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.53* | 1.9 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.50 | mg/Kg DWB | 2 | 0.16* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.9 | mg/Kg DWB | 1 | 0.50 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 31 | mg/Kg DWB | 1 | 0.21 | 0.78 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.9 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [17] | mg/Kg DWB | 1 | 5.7 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4700 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.12 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.15] | mg/Kg DWB | 1 | 0.071 | 0.25 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 930 | mg/Kg DWB | 1 | 13 | 46 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 93 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 89.5 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 47 | mg/Kg DWB | 1 | 0.24 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP120-0-1 NLS ID: 374546
Ref. Line 7 COC 76426 Soil, NS-S0TP120-0-1 Matrix: SO
Collected: 06/14/05 09:30 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8800 | mg/Kg DWB | 1 | 6.9 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.2 | 4.2 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 140 | mg/Kg DWB | 1 | 0.16 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.69 | mg/Kg DWB | 5 | 0.16 | 0.57 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.40] | mg/Kg DWB | 1 | 0.24 | 0.88 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 49 | 98 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.49* | 1.7 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.62 | mg/Kg DWB | 2 | 0.18* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.3 | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 43 | mg/Kg DWB | 1 | 0.19 | 0.72 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.2 | 34 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 45 | mg/Kg DWB | 1 | 5.3 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6100 | mg/Kg DWB | 10 | 49 | 98 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.11 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.71 | mg/Kg DWB | 1 | 0.078 | 0.28 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.2 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 43 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 1.7 | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 3.9 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.9 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.29 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.22 | 0.66 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP111-0-1 NLS ID: 374547
Ref. Line 8 COC 76426 Soil, NS-S0TP111-0-1 Matrix: SO
Collected: 06/14/05 09:55 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8200 | mg/Kg DWB | 1 | 7.6 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | mg/Kg DWB | 20 | 1.2 | 4.3 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 97 | mg/Kg DWB | 1 | 0.18 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 5 | 0.18 | 0.63 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.64] | mg/Kg DWB | 1 | 0.27 | 0.98 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.54* | 1.9 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.25 | mg/Kg DWB | 2 | 0.18* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.2 | mg/Kg DWB | 1 | 0.51 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 44 | mg/Kg DWB | 1 | 0.21 | 0.80 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.23] | mg/Kg DWB | 1 | 0.13 | 0.38 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 10 | 38 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 59 | mg/Kg DWB | 1 | 5.9 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5400 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.12 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.63 | mg/Kg DWB | 1 | 0.079 | 0.28 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 13 | 47 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [0.72] | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 96 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.1 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.32 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 130 | mg/Kg DWB | 1 | 0.24 | 0.72 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP113-0-1 NLS ID: 374548
Ref. Line 9 COC 76426 Soil, NS-S0TP113-0-1 Matrix: SO
Collected: 06/14/05 10:40 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9900 | mg/Kg DWB | 1 | 8.4 | 31 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.6 | 5.6 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.20 | 0.40 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.0 | mg/Kg DWB | 5 | 0.20 | 0.70 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 60 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.60* | 2.1 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.41 | mg/Kg DWB | 2 | 0.20* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.60 | 2.1 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.0 | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 28 | mg/Kg DWB | 1 | 0.24 | 0.88 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.35] | mg/Kg DWB | 1 | 0.13 | 0.40 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 11 | 41 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 50 | mg/Kg DWB | 1 | 6.5 | 24 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5400 | mg/Kg DWB | 10 | 60 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 420 | mg/Kg DWB | 1 | 0.13 | 0.40 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.075] | mg/Kg DWB | 1 | 0.070 | 0.25 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.4 | 5.1 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 14 | 52 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.1 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.58 | 2.1 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 90 | mg/Kg DWB | 1 | 1.3 | 4.8 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 74.8 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.7 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.35 | 1.3 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 190 | mg/Kg DWB | 1 | 0.27 | 0.80 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-S0TP112-0-1 NLS ID: 374549
Ref. Line 10 COC 76426 Soil, NS-S0TP112-0-1 Matrix: SO
Collected: 06/14/05 11:45 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7100 | mg/Kg DWB | 1 | 6.7 | 25 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.3 | 4.6 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 38 | mg/Kg DWB | 1 | 0.16 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.35] | mg/Kg DWB | 5 | 0.16 | 0.56 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 67000 | mg/Kg DWB | 100 | 480 | 960 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.48* | 1.7 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.41 | mg/Kg DWB | 2 | 0.17* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 15 | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.0 | mg/Kg DWB | 1 | 0.45 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 33 | mg/Kg DWB | 1 | 0.19 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.0 | 33 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [15] | mg/Kg DWB | 1 | 5.2 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5800 | mg/Kg DWB | 10 | 48 | 96 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.11 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.074 | 0.26 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.1 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 630 | mg/Kg DWB | 1 | 12 | 42 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 3.8 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.1 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 41 | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 53 | mg/Kg DWB | 1 | 0.21 | 0.64 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374540 Soil, NS-S0TP118-0-1 Collected: 06/13/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | 27000 | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | ND | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | 25000 | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | 68000 | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | 53000 | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | 57000 | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | [15000] | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | 32000 | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | ND | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | 25000 | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | ND | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | 33000 | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | ND | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | ND | ug/Kg | 200 | 6200 | 21000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | ND | ug/Kg | 200 | 6100 | 20000 |
| Phenanthrene | ND | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 52000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | 49000 | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 92% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374541 Soil, NS-S0TP117-0-1 Collected: 06/13/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | [3200] | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | ND | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | [3000] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | 7400 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | [5900] | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | 6600 | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | [3700] | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | [3500] | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | ND | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | [3800] | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | ND | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | ND | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 6700 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | [5600] | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374542 Soil, NS-S0TP119-0-1 Collected: 06/13/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 55% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374543 Soil, NS-S0TP114-0-1 Collected: 06/13/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374544 Soil, NS-S0TP115-0-1 Collected: 06/13/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | [240] | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [360] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [360] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | [210] | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | [270] | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [280] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [470] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [280] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374545 Soil, NS-S0TP116-0-1 Collected: 06/13/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [190] | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | [280] | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [550] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [530] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | [330] | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | [350] | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [410] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | [190] | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 640 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [420] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374546 Soil, NS-S0TP120-0-1 Collected: 06/14/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [220] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374547 Soil, NS-S0TP111-0-1 Collected: 06/14/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374548 Soil, NS-S0TP113-0-1 Collected: 06/14/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | ND | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | ND | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | [2800] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | [3000] | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | ND | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | ND | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | ND | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | ND | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | ND | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | [2400] | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | ND | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

Sample: 374549 Soil, NS-S0TP112-0-1 Collected: 06/14/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | ND | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | ND | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | ND | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | ND | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | ND | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | ND | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | ND | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | ND | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | ND | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | ND | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | ND | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 69% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:11**

Sample: 374540 Soil, NS-S0TP118-0-1 Collected: 06/13/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [23] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [31] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 55 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [44] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 95% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

Sample: 374541 Soil, NS-S0TP117-0-1 Collected: 06/13/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [25] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [19] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 69 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [51] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 90% | | | | |
| Toluene-d8 (SURR**) | 96% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

Sample: 374542 Soil, NS-S0TP119-0-1 Collected: 06/13/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:11**

Sample: 374543 Soil, NS-S0TP114-0-1 Collected: 06/13/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Sample: 374544 Soil, NS-S0TP115-0-1 Collected: 06/13/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 374545 Soil, NS-S0TP116-0-1 Collected: 06/13/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:11**

Sample: 374546 Soil, NS-S0TP120-0-1 Collected: 06/14/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Sample: 374547 Soil, NS-S0TP111-0-1 Collected: 06/14/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [15] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 374548 Soil, NS-S0TP113-0-1 Collected: 06/14/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:11**

Sample: 374549 Soil, NS-S0TP112-0-1 Collected: 06/14/05 Analyzed: 06/16/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 10% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90298**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS16-0-1 NLS ID: 374550
Ref. Line 1 COC 73785 Soil, NS-SS16-0-1 Matrix: SO
Collected: 06/14/05 12:00 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9100 | mg/Kg DWB | 1 | 7.2 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 0.88 | 3.1 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 35 | mg/Kg DWB | 1 | 0.17 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.4 | mg/Kg DWB | 10 | 0.34 | 1.2 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.93 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3600 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.52* | 1.8 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.33 | mg/Kg DWB | 2 | 0.16* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 12 | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 36 | mg/Kg DWB | 1 | 0.20 | 0.76 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/21/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 9.6 | 36 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.6 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7100 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.11 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.069 | 0.24 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 550 | mg/Kg DWB | 1 | 12 | 45 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 91 | mg/Kg DWB | 1 | 1.1 | 4.1 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.9 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 07/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 63 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 48 | mg/Kg DWB | 1 | 0.23 | 0.69 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90298**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SS18-0-1 NLS ID: 374551
Ref. Line 2 COC 73785 Soil, NS-SS18-0-1 Matrix: SO
Collected: 06/14/05 12:20 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9900 | mg/Kg DWB | 1 | 7.2 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.6] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 51 | mg/Kg DWB | 1 | 0.17 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 10 | 0.34 | 1.2 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.93 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4200 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 21 | mg/Kg DWB | 1 | 0.52* | 1.8 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.15* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 21 | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 31 | mg/Kg DWB | 1 | 0.20 | 0.76 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.13] | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/21/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 26000 | mg/Kg DWB | 10 | 9.7 | 36 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 29 | mg/Kg DWB | 1 | 5.6 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7400 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.11 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.068 | 0.24 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 27 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 800 | mg/Kg DWB | 1 | 12 | 45 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.1 | 4.1 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.8 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 61 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 66 | mg/Kg DWB | 1 | 0.23 | 0.69 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90298**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Soil, NS-SQDup03-0605 NLS ID: 374552
Ref. Line 3 COC 73785 Soil, NS-SQDup03-0605 Matrix: SO
Collected: 06/14/05 00:00 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9300 | mg/Kg DWB | 1 | 7.9 | 29 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.6 | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 93 | mg/Kg DWB | 1 | 0.19 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.81 | mg/Kg DWB | 5 | 0.19 | 0.66 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 57 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.57* | 2.0 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.65 | mg/Kg DWB | 2 | 0.17* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.57 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.1 | mg/Kg DWB | 1 | 0.53 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 27 | mg/Kg DWB | 1 | 0.22 | 0.83 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/21/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 11 | 39 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 77 | mg/Kg DWB | 1 | 6.1 | 22 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5200 | mg/Kg DWB | 10 | 57 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.12 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.077 | 0.27 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.3 | 4.8 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 14 | 49 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 78 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.6 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 07/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.33 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 200 | mg/Kg DWB | 1 | 0.25 | 0.75 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

Soil, NS-SQMeOH Blank 4-0605 NLS ID: 374553
Ref. Line 5 COC 73785 Soil, NS-SQMeOH Blank 4-0605 Matrix: TB
Collected: 06/14/05 00:00 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |

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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90298**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:24**

Sample: 374550 Soil, NS-SS16-0-1 Collected: 06/14/05 Analyzed: 06/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:24**

Sample: 374551 Soil, NS-SS18-0-1 Collected: 06/14/05 Analyzed: 06/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | [160] | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | [170] | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [230] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [82] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | [86] | ug/Kg | 2 | 76 | 250 |
| Chrysene | [180] | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 310 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | [100] | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 340 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [140] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:24**

Sample: 374552 Soil, NS-SQDup03-0605 Collected: 06/14/05 Analyzed: 06/19/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 1700 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [680] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 3100 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 3400 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 3500 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [1000] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | 1500 | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 3000 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 4800 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | [710] | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [750] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 7100 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 2000 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:24**

Sample: 374550 Soil, NS-SS16-0-1 Collected: 06/14/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample: 374551 Soil, NS-SS18-0-1 Collected: 06/14/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample: 374552 Soil, NS-SQDup03-0605 Collected: 06/14/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:25**

Sample: 374553 Soil, NS-SQMeOH Blank 4-0605 Collected: 06/14/05 Analyzed: 06/17/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90416**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-EPA07-0605-MID FIL NLS ID: 375186
Ref. Line 1 COC 77064 NSP-SW-EPA07-0605-MID FIL Matrix: SW
Collected: 06/17/05 16:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.4] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA07-0605-MID FIL NLS ID: 375187
Ref. Line 2 COC 77064 NSP-SW-EPA07-0605-MID FIL Matrix: SW
Collected: 06/17/05 17:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-EPA07-0605-MID UNFIL NLS ID: 375188
Ref. Line 3 COC 77064 NSP-SW-EPA07-0605-MID UNFIL Matrix: SW
Collected: 06/17/05 16:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA07-0605-MID UNFIL NLS ID: 375189
Ref. Line 4 COC 77064 NSP-SW-EPA07-0605-MID UNFIL Matrix: SW
Collected: 06/17/05 17:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-EPA07-0605-NB FIL NLS ID: 375190
Ref. Line 5 COC 77064 NSP-SW-EPA07-0605-NB FIL Matrix: SW
Collected: 06/17/05 16:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.5] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA07-0605-NB FIL NLS ID: 375191
Ref. Line 6 COC 77064 NSP-SW-EPA07-0605-NB FIL Matrix: SW
Collected: 06/17/05 17:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-EPA07-0605-NB UNFIL MS/MSD NLS ID: 375192
Ref. Line 7 COC 77064 NSP-SW-EPA07-0605-NB UNFIL MS/ Matrix: SW
Collected: 06/17/05 16:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA07-0605-NB UNFIL MS/MSD NLS ID: 375193
Ref. Line 8 COC 77064 NSP-SW-EPA07-0605-NB UNFIL MS/ Matrix: SW
Collected: 06/17/05 17:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90416**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-EPA06-0605-NB UNFIL NLS ID: 375194
Ref. Line 10 COC 77064 NSP-SW-EPA06-0605-NB UNFIL Matrix: SW
Collected: 06/17/05 16:15 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA06-0605-NB UNFIL NLS ID: 375195
Ref. Line 1 COC 77066 NSP-SW-EPA06-0605-NB UNFIL Matrix: SW
Collected: 06/17/05 16:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |

NSP-SW-EPA06-0605-NB FIL NLS ID: 375196
Ref. Line 2 COC 77066 NSP-SW-EPA06-0605-NB FIL Matrix: SW
Collected: 06/17/05 16:15 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.1] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA06-0605-NB FIL NLS ID: 375197
Ref. Line 3 COC 77066 NSP-SW-EPA06-0605-NB FIL Matrix: SW
Collected: 06/17/05 16:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-EPA06-0605-MID FIL NLS ID: 375198
Ref. Line 4 COC 77066 NSP-SW-EPA06-0605-MID FIL Matrix: SW
Collected: 06/17/05 16:15 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.3] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA06-0605-MID FIL NLS ID: 375199
Ref. Line 5 COC 77066 NSP-SW-EPA06-0605-MID FIL Matrix: SW
Collected: 06/17/05 16:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-EPA06-0605-MID UNFIL NLS ID: 375200
Ref. Line 6 COC 77066 NSP-SW-EPA06-0605-MID UNFIL Matrix: SW
Collected: 06/17/05 16:15 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA06-0605-MID UNFIL NLS ID: 375201
Ref. Line 7 COC 77066 NSP-SW-EPA06-0605-MID UNFIL Matrix: SW
Collected: 06/17/05 16:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90416**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-EPA08-0605-MID FIL NLS ID: 375202

Ref. Line 8 COC 77066 NSP-SW-EPA08-0605-MID FIL Matrix: SW
Collected: 06/17/05 17:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.7] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA08-0605-MID FIL NLS ID: 375203

Ref. Line 9 COC 77066 NSP-SW-EPA08-0605-MID FIL Matrix: SW
Collected: 06/17/05 17:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-EPA08-0605-MID UNFIL NLS ID: 375204

Ref. Line 10 COC 77066 NSP-SW-EPA08-0605-MID UNFIL Matrix: SW
Collected: 06/17/05 17:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375186 NSP-SW-EPA07-0605-MID FIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375188 NSP-SW-EPA07-0605-MID UNFIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375190 NSP-SW-EPA07-0605-NB FIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375192 NSP-SW-EPA07-0605-NB UNFIL MS/MSD Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375194 NSP-SW-EPA06-0605-NB UNFIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 65% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 70% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375196 NSP-SW-EPA06-0605-NB FIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375198 NSP-SW-EPA06-0605-MID FIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375200 NSP-SW-EPA06-0605-MID UNFIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375202 NSP-SW-EPA08-0605-MID FIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:20**

Sample: 375204 NSP-SW-EPA08-0605-MID UNFIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**
**Project Description: Xcel Ashland Surface Water Samples**
**Project Title:** **Template: SAT2NSP Printed: 07/18/2005 16:20**

Sample: 375187 NSP-SW-EPA07-0605-MID FIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.33] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 96% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Sample: 375189 NSP-SW-EPA07-0605-MID UNFIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 95% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Sample: 375191 NSP-SW-EPA07-0605-NB FIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:20**

Sample: 375193 NSP-SW-EPA07-0605-NB UNFIL MS/MSD Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 84% | | | | |
| Toluene-d8 (SURR**) | 84% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 85% | | | | |

Sample: 375195 NSP-SW-EPA06-0605-NB UNFIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 375197 NSP-SW-EPA06-0605-NB FIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.31] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 84% | | | | |
| Toluene-d8 (SURR**) | 89% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 85% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90416**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:20**

Sample: 375199 NSP-SW-EPA06-0605-MID FIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.30] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 87% | | | | |
| Toluene-d8 (SURR**) | 89% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

Sample: 375201 NSP-SW-EPA06-0605-MID UNFIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 91% | | | | |
| Toluene-d8 (SURR**) | 91% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

Sample: 375203 NSP-SW-EPA08-0605-MID FIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.45] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90417**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-ERA08-MID UNF NLS ID: 375205
Ref. Line 1 COC 77067 NSP-SW-ERA08-MID UNF Matrix: SW
Collected: 06/17/05 17:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-WQ-FB02-0605-MID UNF NLS ID: 375206
Ref. Line 2 COC 77067 NSP-SW-WQ-FB02-0605-MID UNF Matrix: SW
Collected: 06/17/05 17:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

NSP-SW-WQ-FB02-0605-MID UNF NLS ID: 375207
Ref. Line 3 COC 77067 NSP-SW-WQ-FB02-0605-MID UNF Matrix: SW
Collected: 06/17/05 17:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-WQ-DUP02-0605-NB UNF NLS ID: 375208
Ref. Line 4 COC 77067 NSP-SW-WQ-DUP02-0605-NB UNF Matrix: SW
Collected: 06/17/05 16:15 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

NSP-SW-WQ-DUP02-0605-NB UNF NLS ID: 375209
Ref. Line 5 COC 77067 NSP-SW-WQ-DUP02-0605-NB UNF Matrix: SW
Collected: 06/17/05 16:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-WQ-DUP01-0605-MID FIL NLS ID: 375210
Ref. Line 6 COC 77067 NSP-SW-WQ-DUP01-0605-MID FIL Matrix: SW
Collected: 06/17/05 14:50 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.7] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

NSP-SW-WQ-DUP01-0605-MID FIL NLS ID: 375211
Ref. Line 7 COC 77067 NSP-SW-WQ-DUP01-0605-MID FIL Matrix: SW
Collected: 06/17/05 14:55 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |

NSP-SW-WQ-FB01-0605-FIL NLS ID: 375212
Ref. Line 8 COC 77067 NSP-SW-WQ-FB01-0605-FIL Matrix: SW
Collected: 06/17/05 12:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | ND | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90417**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-WQ-FB01-0605-FIL NLS ID: 375213
Ref. Line 9 COC 77067 NSP-SW-WQ-FB01-0605-FIL Matrix: SW
Collected: 06/17/05 12:50 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-WQ-FB01-0605-UNF NLS ID: 375214
Ref. Line 10 COC 77067 NSP-SW-WQ-FB01-0605-UNF Matrix: SW
Collected: 06/17/05 13:25 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

NSP-SW-ERA01-0605-NB-UNF NLS ID: 375215
Ref. Line 1 COC 77069 NSP-SW-ERA01-0605-NB-UNF Matrix: SW
Collected: 06/17/05 13:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-ERA01-0605-MID UNF NLS ID: 375216
Ref. Line 2 COC 77069 NSP-SW-ERA01-0605-MID UNF Matrix: SW
Collected: 06/17/05 13:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

NSP-SW-ERA01-0605-MID UNF NLS ID: 375217
Ref. Line 3 COC 77069 NSP-SW-ERA01-0605-MID UNF Matrix: SW
Collected: 06/17/05 13:10 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-ERA01-0605-MID FIL NLS ID: 375218
Ref. Line 4 COC 77069 NSP-SW-ERA01-0605-MID FIL Matrix: SW
Collected: 06/17/05 13:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.6] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

NSP-SW-ERA01-0605-MID FIL NLS ID: 375219
Ref. Line 5 COC 77069 NSP-SW-ERA01-0605-MID FIL Matrix: SW
Collected: 06/17/05 13:10 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |

NSP-SW-ERA01-0605-NB FIL NLS ID: 375220
Ref. Line 6 COC 77069 NSP-SW-ERA01-0605-NB FIL Matrix: SW
Collected: 06/17/05 13:25 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.4] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90417**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-ERA01-0605-NB FIL NLS ID: 375221
Ref. Line 7 COC 77069 NSP-SW-ERA01-0605-NB FIL Matrix: SW
Collected: 06/17/05 13:35 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-ERA05-0605-NB UNF NLS ID: 375222
Ref. Line 8 COC 77069 NSP-SW-ERA05-0605-NB UNF Matrix: SW
Collected: 06/17/05 15:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

NSP-SW-ERA05-0605-NB UNF NLS ID: 375223
Ref. Line 9 COC 77069 NSP-SW-ERA05-0605-NB UNF Matrix: SW
Collected: 06/17/05 15:38 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/05 | SW846 8260 | 721026460 |

NSP-SW-ERA05-0605-NB FIL NLS ID: 375224
Ref. Line 10 COC 77069 NSP-SW-ERA05-0605-NB FIL Matrix: SW
Collected: 06/17/05 15:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.2] | mg/L | 1 | 0.54 | 1.7 | 07/01/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/20/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/05 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375206 NSP-SW-WQ-FB02-0605-MID UNF Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375208 NSP-SW-WQ-DUP02-0605-NB UNF Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375210 NSP-SW-WQ-DUP01-0605-MID FIL Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375212 NSP-SW-WQ-FB01-0605-FIL Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375214 NSP-SW-WQ-FB01-0605-UNF Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375216 NSP-SW-ERA01-0605-MID UNF Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375218 NSP-SW-ERA01-0605-MID FIL Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375220 NSP-SW-ERA01-0605-NB FIL Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375222 NSP-SW-ERA05-0605-NB UNF Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/05/2005 15:28**

Sample: 375224 NSP-SW-ERA05-0605-NB FIL Collected: 06/17/05 Analyzed: 06/27/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 46% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**
**Project Description: Xcel Ashland Surface Water Samples**
**Project Title:** **Template: SAT2NSP Printed: 07/05/2005 15:28**

Sample: 375205 NSP-SW-ERA08-MID UNF Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 83% | | | | |
| Toluene-d8 (SURR**) | 85% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 87% | | | | |

Sample: 375207 NSP-SW-WQ-FB02-0605-MID UNF Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 83% | | | | |
| Toluene-d8 (SURR**) | 85% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 87% | | | | |

Sample: 375209 NSP-SW-WQ-DUP02-0605-NB UNF Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 83% | | | | |
| Toluene-d8 (SURR**) | 85% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 84% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/05/2005 15:28**

Sample: 375211 NSP-SW-WQ-DUP01-0605-MID FIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.44] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 88% | | | | |
| Toluene-d8 (SURR**) | 90% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

Sample: 375213 NSP-SW-WQ-FB01-0605-FIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.1 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 87% | | | | |
| Toluene-d8 (SURR**) | 89% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 91% | | | | |

Sample: 375215 NSP-SW-ERA01-0605-NB-UNF Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.44] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/05/2005 15:28**

Sample: 375217 NSP-SW-ERA01-0605-MID UNF Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.43] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 80% | | | | |
| Toluene-d8 (SURR**) | 81% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 85% | | | | |

Sample: 375219 NSP-SW-ERA01-0605-MID FIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 96% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

Sample: 375221 NSP-SW-ERA01-0605-NB FIL Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.49] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 83% | | | | |
| Toluene-d8 (SURR**) | 86% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 87% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90417**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/05/2005 15:28**

Sample: 375223 NSP-SW-ERA05-0605-NB UNF Collected: 06/17/05 Analyzed: 06/21/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 84% | | | | |
| Toluene-d8 (SURR**) | 87% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 87% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90418**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-EPA05-0605-NB FIL NLS ID: 375225
Ref. Line 1 COC 77070 NSP-SW-EPA05-0605-NB FIL Matrix: SW
Collected: 06/17/05 15:38 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |

NSP-SW-EPA05-0605-MID FIL NLS ID: 375226
Ref. Line 2 COC 77070 NSP-SW-EPA05-0605-MID FIL Matrix: SW
Collected: 06/17/05 15:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.3] | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA05-0605-MID FIL NLS ID: 375227
Ref. Line 3 COC 77070 NSP-SW-EPA05-0605-MID FIL Matrix: SW
Collected: 06/17/05 15:38 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |

NSP-SW-EPA05-0605-MID UNF MS/MSD NLS ID: 375228
Ref. Line 4 COC 77070 NSP-SW-EPA05-0605-MID UNF MS/M Matrix: SW
Collected: 06/17/05 15:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA05-0605-MID UNF MS/MSD NLS ID: 375229
Ref. Line 5 COC 77070 NSP-SW-EPA05-0605-MID UNF MS/M Matrix: SW
Collected: 06/17/05 15:38 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |

NSP-SW-EPA04-0605-MID UNF NLS ID: 375230
Ref. Line 7 COC 77070 NSP-SW-EPA04-0605-MID UNF Matrix: SW
Collected: 06/17/05 14:40 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA04-0605-MID FIL NLS ID: 375231
Ref. Line 8 COC 77070 NSP-SW-EPA04-0605-MID FIL Matrix: SW
Collected: 06/17/05 14:40 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.3] | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90418**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-EPA04-0605-NB UNF NLS ID: 375232

Ref. Line 9 COC 77070 NSP-SW-EPA04-0605-NB UNF Matrix: SW
Collected: 06/17/05 15:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-EPA04-0605-NB FIL NLS ID: 375233

Ref. Line 10 COC 77070 NSP-SW-EPA04-0605-NB FIL Matrix: SW
Collected: 06/17/05 14:50 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 1.8 | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/28/05 | SW846 8270C | 721026460 |

NSP-SW-WQ TB 01-0605 NLS ID: 375234

Ref. Line 1 COC 77073 NSP-SW-WQ TB 01-0605 Matrix: SW
Collected: 06/18/05 14:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375226 NSP-SW-EPA05-0605-MID FIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375228 NSP-SW-EPA05-0605-MID UNF MS/MSD Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375230 NSP-SW-EPA04-0605-MID UNF Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375231 NSP-SW-EPA04-0605-MID FIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375232 NSP-SW-EPA04-0605-NB UNF Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375233 NSP-SW-EPA04-0605-NB FIL Collected: 06/17/05 Analyzed: 06/28/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**
**Project Description: Xcel Ashland Surface Water Samples**
**Project Title:** **Template: SAT2NSP Printed: 07/18/2005 16:22**

Sample: 375225 NSP-SW-EPA05-0605-NB FIL Collected: 06/17/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.49] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

Sample: 375227 NSP-SW-EPA05-0605-MID FIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.38] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample: 375229 NSP-SW-EPA05-0605-MID UNF MS/MSD Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 95% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:22**

Sample: 375230 NSP-SW-EPA04-0605-MID UNF Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.16] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 92% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

Sample: 375231 NSP-SW-EPA04-0605-MID FIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.15] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.51] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 94% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

Sample: 375232 NSP-SW-EPA04-0605-NB UNF Collected: 06/17/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 90% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90418**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:22**

Sample: 375234 NSP-SW-WQ TB 01-0605 Collected: 06/18/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 85% | | | | |
| Toluene-d8 (SURR**) | 92% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 91% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90419**
**NLS Customer: 91206**
**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-EPA04-0605-NB FIL NLS ID: 375235
Ref. Line 1 COC 77071 NSP-SW-EPA04-0605-NB FIL Matrix: SW
Collected: 06/17/05 14:40 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |

NSP-SW-EPA03-0605-NB UNF NLS ID: 375236
Ref. Line 2 COC 77071 NSP-SW-EPA03-0605-NB UNF Matrix: SW
Collected: 06/17/05 14:20 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-EPA03-0605-NB FIL NLS ID: 375237
Ref. Line 3 COC 77071 NSP-SW-EPA03-0605-NB FIL Matrix: SW
Collected: 06/17/05 14:20 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 1.8 | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-EPA03-0605-MID FIL NLS ID: 375238
Ref. Line 4 COC 77071 NSP-SW-EPA03-0605-MID FIL Matrix: SW
Collected: 06/17/05 14:20 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.7] | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-EPA03-0605-MID UNF NLS ID: 375239
Ref. Line 5 COC 77071 NSP-SW-EPA03-0605-MID UNF Matrix: SW
Collected: 06/17/05 14:20 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-EPA02-0605-MID FIL NLS ID: 375240
Ref. Line 6 COC 77071 NSP-SW-EPA02-0605-MID FIL Matrix: SW
Collected: 06/17/05 14:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 2.2 | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90419**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-EPA02-0605-MID UNF NLS ID: 375241
Ref. Line 7 COC 77071 NSP-SW-EPA02-0605-MID UNF Matrix: SW
Collected: 06/17/05 14:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-HHRA01-0605-UNF NLS ID: 375242
Ref. Line 8 COC 77071 NSP-SW-HHRA01-0605-UNF Matrix: SW
Collected: 06/18/05 09:10 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 1.9 | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-WQDUP03-0605-UNF NLS ID: 375243
Ref. Line 9 COC 77071 NSP-SW-WQDUP03-0605-UNF Matrix: SW
Collected: 06/18/05 09:20 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 1.8 | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-HHRA02-0605-UNF NLS ID: 375244
Ref. Line 10 COC 77071 NSP-SW-HHRA02-0605-UNF Matrix: SW
Collected: 06/18/05 09:40 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.7] | mg/L | 1 | 0.54 | 1.7 | 07/05/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375236 NSP-SW-EPA03-0605-NB UNF Collected: 06/17/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375237 NSP-SW-EPA03-0605-NB FIL Collected: 06/17/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375238 NSP-SW-EPA03-0605-MID FIL Collected: 06/17/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375239 NSP-SW-EPA03-0605-MID UNF Collected: 06/17/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375240 NSP-SW-EPA02-0605-MID FIL Collected: 06/17/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375241 NSP-SW-EPA02-0605-MID UNF Collected: 06/17/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375242 NSP-SW-HHRA01-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375243 NSP-SW-WQDUP03-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:22**

Sample: 375244 NSP-SW-HHRA02-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**
**Project Description: Xcel Ashland Surface Water Samples**
**Project Title:** **Template: SAT2NSP Printed: 07/18/2005 16:22**

Sample: 375235 NSP-SW-EPA04-0605-NB FIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.37] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 90% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 0% | | | | |

Sample: 375236 NSP-SW-EPA03-0605-NB UNF Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 83% | | | | |
| Toluene-d8 (SURR**) | 86% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 89% | | | | |

Sample: 375237 NSP-SW-EPA03-0605-NB FIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.37] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 84% | | | | |
| Toluene-d8 (SURR**) | 87% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 87% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:22**

Sample: 375238 NSP-SW-EPA03-0605-MID FIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.37] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 82% | | | | |
| Toluene-d8 (SURR**) | 85% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 85% | | | | |

Sample: 375239 NSP-SW-EPA03-0605-MID UNF Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 90% | | | | |
| Toluene-d8 (SURR**) | 91% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 91% | | | | |

Sample: 375240 NSP-SW-EPA02-0605-MID FIL Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.35] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.38] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 89% | | | | |
| Toluene-d8 (SURR**) | 89% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 91% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:22**

Sample: 375241 NSP-SW-EPA02-0605-MID UNF Collected: 06/17/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.46] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 85% | | | | |
| Toluene-d8 (SURR**) | 88% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 89% | | | | |

Sample: 375242 NSP-SW-HHRA01-0605-UNF Collected: 06/18/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 91% | | | | |
| Toluene-d8 (SURR**) | 94% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

Sample: 375243 NSP-SW-WQDUP03-0605-UNF Collected: 06/18/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 85% | | | | |
| Toluene-d8 (SURR**) | 88% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 84% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90419**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:22**

Sample: 375244 NSP-SW-HHRA02-0605-UNF Collected: 06/18/05 Analyzed: 06/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.26] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.31] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 85% | | | | |
| Toluene-d8 (SURR**) | 90% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 90% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90420**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-HHRA03-0605-UNF NLS ID: 375245
Ref. Line 1 COC 77072 NSP-SW-HHRA03-0605-UNF Matrix: SW
Collected: 06/18/05 10:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 2.7 | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-WQFB03-0605-UNF NLS ID: 375246
Ref. Line 2 COC 77072 NSP-SW-WQFB03-0605-UNF Matrix: SW
Collected: 06/18/05 08:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | ND | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SWHHRA04-0605-UNF NLS ID: 375247
Ref. Line 3 COC 77072 NSP-SWHHRA04-0605-UNF Matrix: SW
Collected: 06/18/05 10:10 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 2.0 | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SWDUP04-0605-UNF NLS ID: 375248
Ref. Line 4 COC 77072 NSP-SWDUP04-0605-UNF Matrix: SW
Collected: 06/18/05 10:20 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 2.1 | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SQEB07-0605 NLS ID: 375249
Ref. Line 5 COC 77072 NSP-SQEB07-0605 Matrix: SW
Collected: 06/18/05 12:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90420**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

NSP-SW-WQFB04-UNF NLS ID: 375250
Ref. Line 6 COC 77072 NSP-SW-WQFB04-UNF Matrix: SW
Collected: 06/18/05 11:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | ND | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-HHRA05-0605-UNF NLS ID: 375251
Ref. Line 7 COC 77072 NSP-SW-HHRA05-0605-UNF Matrix: SW
Collected: 06/18/05 10:30 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | [1.3] | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-HHRA06-0605-UNF NLS ID: 375252
Ref. Line 8 COC 77072 NSP-SW-HHRA06-0605-UNF Matrix: SW
Collected: 06/18/05 10:45 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 2.0 | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-HHRA07-0605-UNF NLS ID: 375253
Ref. Line 9 COC 77072 NSP-SW-HHRA07-0605-UNF Matrix: SW
Collected: 06/18/05 11:00 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 1.8 | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

NSP-SW-HHRA08-0605-UNF NLS ID: 375254
Ref. Line 10 COC 77072 NSP-SW-HHRA08-0605-UNF Matrix: SW
Collected: 06/18/05 11:15 Received: 06/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Dissolved organic carbon (DOC) | 2.4 | mg/L | 1 | 0.54 | 1.7 | 07/06/05 | SW846 9060M | 721026460 |
| Lab filtration | yes | | | | | 06/19/05 | NA | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/22/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/29/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 90420**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland Surface Water Samples**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375245 NSP-SW-HHRA03-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 87% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375246 NSP-SW-WQFB03-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 89% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375247 NSP-SWHHRA04-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 90% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375248 NSP-SWDUP04-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 88% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375249 NSP-SQEB07-0605 Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 87% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375250 NSP-SW-WQFB04-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 88% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375251 NSP-SW-HHRA05-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 94% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375252 NSP-SW-HHRA06-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 92% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375253 NSP-SW-HHRA07-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 91% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: 8270WNSP** **Printed: 07/18/2005 16:23**

Sample: 375254 NSP-SW-HHRA08-0605-UNF Collected: 06/18/05 Analyzed: 06/29/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Biphenyl | ND | ug/L | 1 | 1.3 | 4.2 |
| 2,6-Dimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2,3,5-Trimethylnaphthalene | ND | ug/L | 1 | 1.2 | 4.0 |
| 1-Methylphenanthrene | ND | ug/L | 1 | 1.3 | 4.3 |
| Perylene | ND | ug/L | 1 | 1.2 | 4.1 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 96% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**
**Project Description: Xcel Ashland Surface Water Samples**
**Project Title:** **Template: SAT2NSP Printed: 07/18/2005 16:23**

Sample: 375245 NSP-SW-HHRA03-0605-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.28] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 87% | | | | |
| Toluene-d8 (SURR**) | 90% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 86% | | | | |

Sample: 375246 NSP-SW-WQFB03-0605-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.1 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

Sample: 375247 NSP-SWHHRA04-0605-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.26] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:23**

Sample: 375248 NSP-SWDUP04-0605-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.45] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 90% | | | | |
| Toluene-d8 (SURR**) | 93% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 86% | | | | |

Sample: 375250 NSP-SW-WQFB04-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

Sample: 375251 NSP-SW-HHRA05-0605-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.33] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 88% | | | | |
| Toluene-d8 (SURR**) | 91% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 84% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90420**

**Project Description: Xcel Ashland Surface Water Samples**

**Project Title:** **Template: SAT2NSP** **Printed: 07/18/2005 16:23**

Sample: 375252 NSP-SW-HHRA06-0605-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.34] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Sample: 375253 NSP-SW-HHRA07-0605-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.25] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 90% | | | | |

Sample: 375254 NSP-SW-HHRA08-0605-UNF Collected: 06/18/05 Analyzed: 06/23/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.47] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 91332**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel/RIFS/25688375**

NS-GWPDB01-0705 NLS ID: 379032
Ref. Line 1 COC 77748 NS-GWPDB01-0705 Matrix: GW
Collected: 07/19/05 07:00 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/27/05 | SW846 8260 | 721026460 |

NS-GWPDB02-0705 NLS ID: 379033
Ref. Line 2 COC 77748 NS-GWPDB02-0705 Matrix: GW
Collected: 07/19/05 07:10 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

NS-GWPDB03-0705 NLS ID: 379034
Ref. Line 3 COC 77748 NS-GWPDB03-0705 Matrix: GW
Collected: 07/19/05 07:20 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

NS-GWPDB04-0705 NLS ID: 379035
Ref. Line 4 COC 77748 NS-GWPDB04-0705 Matrix: GW
Collected: 07/19/05 08:00 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

NS-GWPDB05-0705 NLS ID: 379036
Ref. Line 5 COC 77748 NS-GWPDB05-0705 Matrix: GW
Collected: 07/19/05 08:10 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

NS-GWPDB06-0705 NLS ID: 379037
Ref. Line 6 COC 77748 NS-GWPDB06-0705 Matrix: GW
Collected: 07/19/05 08:20 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/22/05 | SW846 8260 | 721026460 |

NS-WQDUP01-0705 NLS ID: 379038
Ref. Line 7 COC 77748 NS-WQDUP01-0705 Matrix: GW
Collected: 07/19/05 00:00 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

NS-WQTripBlank1-0705 NLS ID: 379039
Ref. Line 8 COC 77748 NS-WQTripBlank1-0705 Matrix: TB
Collected: 07/19/05 00:00 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/22/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 91332**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel/RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 91332**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: SAT2NSP Printed: 08/11/2005 14:15**

Sample: 379032 NS-GWPDB01-0705 Collected: 07/19/05 Analyzed: 07/25/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 600 | ug/L | 50 | 7.1 | 24 |
| sec-Butylbenzene | ND | ug/L | 25 | 3.4 | 11 |
| Ethylbenzene | 57 | ug/L | 25 | 4.2 | 14 |
| ortho-Xylene | 34 | ug/L | 25 | 5.4 | 18 |
| Styrene | ND | ug/L | 25 | 3.7 | 12 |
| Toluene | [13] | ug/L | 25 | 6.2 | 21 |
| 1,2,4-Trimethylbenzene | 20 | ug/L | 25 | 3.9 | 13 |
| 1,3,5-Trimethylbenzene | [4.2] | ug/L | 25 | 3.7 | 12 |
| meta,para-Xylene | [16] | ug/L | 25 | 8.7 | 29 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 25 | 5.1 | 17 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 379033 NS-GWPDB02-0705 Collected: 07/19/05 Analyzed: 07/25/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 550 | ug/L | 40 | 5.7 | 19 |
| sec-Butylbenzene | 110 | ug/L | 40 | 5.4 | 18 |
| Ethylbenzene | 27 | ug/L | 40 | 6.7 | 22 |
| ortho-Xylene | 74 | ug/L | 40 | 8.6 | 29 |
| Styrene | ND | ug/L | 40 | 5.8 | 19 |
| Toluene | [27] | ug/L | 40 | 10 | 33 |
| 1,2,4-Trimethylbenzene | 52 | ug/L | 40 | 6.2 | 21 |
| 1,3,5-Trimethylbenzene | 41 | ug/L | 40 | 5.9 | 20 |
| meta,para-Xylene | [20] | ug/L | 40 | 14 | 46 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 40 | 8.2 | 27 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Sample: 379034 NS-GWPDB03-0705 Collected: 07/19/05 Analyzed: 07/25/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 630 | ug/L | 80 | 11 | 38 |
| sec-Butylbenzene | ND | ug/L | 80 | 11 | 36 |
| Ethylbenzene | 74 | ug/L | 80 | 13 | 45 |
| ortho-Xylene | [24] | ug/L | 80 | 17 | 58 |
| Styrene | ND | ug/L | 80 | 12 | 39 |
| Toluene | ND | ug/L | 80 | 20 | 66 |
| 1,2,4-Trimethylbenzene | [22] | ug/L | 80 | 12 | 41 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 80 | 12 | 39 |
| meta,para-Xylene | ND | ug/L | 80 | 28 | 93 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 80 | 16 | 55 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 91332**

**Project Description: Xcel/RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 08/11/2005 14:15**

Sample: 379035 NS-GWPDB04-0705 Collected: 07/19/05 Analyzed: 07/25/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 140 | ug/L | 12.5 | 1.8 | 5.9 |
| sec-Butylbenzene | ND | ug/L | 12.5 | 1.7 | 5.6 |
| Ethylbenzene | 8.0 | ug/L | 12.5 | 2.1 | 7.0 |
| ortho-Xylene | [6.9] | ug/L | 12.5 | 2.7 | 9.0 |
| Styrene | ND | ug/L | 12.5 | 1.8 | 6.1 |
| Toluene | [3.1] | ug/L | 12.5 | 3.1 | 10 |
| 1,2,4-Trimethylbenzene | 6.6 | ug/L | 12.5 | 1.9 | 6.5 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 12.5 | 1.8 | 6.1 |
| meta,para-Xylene | ND | ug/L | 12.5 | 4.4 | 15 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 12.5 | 2.6 | 8.5 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample: 379036 NS-GWPDB05-0705 Collected: 07/19/05 Analyzed: 07/25/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 2.8 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample: 379037 NS-GWPDB06-0705 Collected: 07/19/05 Analyzed: 07/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 0.86 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 91% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 91332**

**Project Description: Xcel/RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 08/11/2005 14:15**

Sample: 379038 NS-WQDUP01-0705 Collected: 07/19/05 Analyzed: 07/25/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 720 | ug/L | 80 | 11 | 38 |
| sec-Butylbenzene | ND | ug/L | 80 | 11 | 36 |
| Ethylbenzene | 92 | ug/L | 80 | 13 | 45 |
| ortho-Xylene | [28] | ug/L | 80 | 17 | 58 |
| Styrene | ND | ug/L | 80 | 12 | 39 |
| Toluene | ND | ug/L | 80 | 20 | 66 |
| 1,2,4-Trimethylbenzene | [26] | ug/L | 80 | 12 | 41 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 80 | 12 | 39 |
| meta,para-Xylene | ND | ug/L | 80 | 28 | 93 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 80 | 16 | 55 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

Sample: 379039 NS-WQTripBlank1-0705 Collected: 07/19/05 Analyzed: 07/22/05 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.78] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

** Surrogates are used to evaluate a method's Quality Control.