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FINAL REPORT

REMEDIAL INVESTIGATION REPORT

ASHLAND/NORTHERN STATES POWER LAKEFRONT SUPERFUND SITE

VOLUME 5 OF 12

Prepared for

Northern States Power Company - WI
1414 West Hamilton Avenue
Eau Claire, WI 54701

August 31, 2007

URS

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APPENDIX E4

SEDIMENT AND SURFACE WATER SAMPLES

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TECHNICAL MEMORANDUM

May 16, 2005

To: Paul Sklar
URS Corporation

From: Christopher Sauer CPS
ECCS

Re: Polynuclear Aromatic Hydrocarbon (PAH) Field Analytical Methods
Ashland/NSP Lakefront Superfund Site
Ashland, WI

Introduction

This Technical Memorandum provides documentation of the field analytical test methods used to analyze sediment samples collected from May10 to May 13, 2005 during the investigation of sediments adjacent to the Ashland/NSP Superfund Site in Chequamegon Bay of Lake Superior. The samples were analyzed for the PAHs- acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, benzo(a)pyrene, benzo(e)pyrene, dibenz(ah)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, phenanthrene and pyrene. These PAHs were measured with high-resolution gas chromatography (GC) using a mass selective detector (MSD). The MSD provides for selective detection of the PAHs by extracting specific target ions for quantitation from the total ion chromatogram.

Narrative

Soils
The soil samples analyzed for PAHs were subjected to a 1:2, grams of soil:mls of solvent extraction. 0.8 ml of the soil extract was aliquoted for analysis by the GC/MSD method. A report limit of 0.2 mg/kg (ppm) was used for the sediment samples. Test results are listed in Table 1. The test results for sediments are reported on a "dry-weight" basis. The percent solids and percent recovery of the surrogate standard, p-terphenyl-d14 is included for each sample.

PAH Method Summary

Soil Extraction

Sediment samples were provided by the client to the field lab. Five grams of sediment was transferred to a tared glass 20-ml scintillation vial and 10 grams of anhydrous sodium sulfate was added. Two and a half grams of sediment was used for very wet samples. The sediment was thoroughly mixed with the sodium sulfate and allowed to dry (usually ½ hour). 50 ul of a 2,000 ug/ml surrogate standard solution was added to the dried sediment. 25 ul of a 2000 ug/ml stock PAH standard was added to laboratory control samples (LCS) and matrix spike samples (MS/MSD). Ten mls of 90:10, dichloromethane:acetone solvent was measured into the extraction vial. The vial was shaken for 2 minutes, allowed to sit for 10 minutes, shaken again for 30 seconds, and allowed to settle. Some samples contained significant amounts of floating fibrous material and required filtration through a Whatman 0.45 um PTFE filter disk. 20 ul of a 750 ug/ml internal standard solution was added to the GC vial with a micro-syringe then 0.80 ml of the sediment extract was transferred to the GC vial with an Eppendorf pipette. The sample was loaded unto an autosampler for GC/MSD analysis.

GC/MSD Procedure:

Identification of target compounds was done by matching retention times and mass spectra of peaks found in samples to those found in a PAH calibration standard using the internal standards as time reference peaks. The internal standards for the MSD were acenaphthene-d10, chrysene-d12, and perylene-d12. The surrogate standard was p-terphenyl-d14. Quantitation was performed by the internal standard technique using a seven point standard curve generated from 0.10, 0.25, 0.50, 1.0, 5.0, 10, and 25 ug/ml standards. These levels equate to 0.20, 0.50, 1.0, 2.0, 10, and 20, and 50 mg/kg for soil samples.

A Hewlett-Packard 5890 gas chromatograph with a 30m x 0.32mm, DB-5ms capillary column interfaced to a Hewlett-Packard 5972 MSD was used. 1ul of the PAH standard or soil extract was injected into the GC/MSD operated in the splitless mode. The data system included a Hewlett-Packard Enviroquant chromatography workstation for data handling.

Quality control consisted of the following items:

- Initial calibration of GC/MSD with seven levels of calibration standard
- Continuing Calibration Verification standards analyzed at a frequency of every ten samples
- Surrogate standard addition to all samples
- Blank sample analysis
- Matrix spike and Matrix Spike Duplicate sample analysis
- Statistical Method Detection Limit Study of 8 Replicates
- Information documented in Field Logbook 67, pp 131-135.

A quality control summary of matrix spikes and matrix spike duplicates, laboratory control samples, and blank samples is included in Table 2. A summary of the method detection limit study is provided in Table 3.

TABLE 1
Ashland/NSP Lakefront Superfund Site
Soil Samples

Sample Description

PAHs	Reporting Limit mg/kg	NSP-SE-1-2A-0505	NSP-SE-1-4A-0505	NSP-SE-1-5A-0505	NSP-SE-1-5C-0505	NSP-SE-1-6A-0505	NSP-SE-1-7B-0505	NSP-SE-1-8B-0505	NSP-SE-1-9A-0505	NSP-SE-1-10C-0505	NSP-SE-2-2A-0505	NSP-SE-2-1A-0505
Naphthalene	0.2	< 0.25	< 0.25	1.0	1.3	< 0.69	< 0.63	< 0.65	< 0.63	1.5	< 0.28	< 0.26
1-MethylNaphthalene	0.2	< 0.25	< 0.25	1.0	1.1	< 0.69	< 0.63	< 0.65	< 0.63	1.2	< 0.28	< 0.26
2-MethylNaphthalene	0.2	< 0.25	< 0.25	< 0.52	0.53	< 0.69	< 0.63	< 0.65	< 0.63	0.62	< 0.28	< 0.26
Acenaphthylene	0.2	< 0.25	< 0.25	1.9	2.3	< 0.69	< 0.63	< 0.65	< 0.63	3.0	< 0.28	< 0.26
Acenaphthene	0.2	< 0.25	< 0.25	0.81	0.66	< 0.69	< 0.63	< 0.65	< 0.63	0.93	< 0.28	< 0.26
Fluorene	0.2	< 0.25	< 0.25	0.68	0.60	< 0.69	< 0.63	< 0.65	< 0.63	0.79	< 0.28	< 0.26
Phenanthrene	0.2	< 0.25	< 0.25	2.1	2.4	< 0.69	< 0.63	< 0.65	0.95	2.6	< 0.28	< 0.26
Anthracene	0.2	< 0.25	< 0.25	1.4	1.3	< 0.69	< 0.63	< 0.65	< 0.63	1.7	< 0.28	< 0.26
Fluoranthene	0.2	< 0.25	< 0.25	3.6	3.5	< 0.69	< 0.63	0.88	1.1	3.7	< 0.28	< 0.26
Pyrene	0.2	< 0.25	< 0.25	6.1	5.5	1.1	0.63	1.4	1.2	6.2	< 0.28	< 0.26
Benzo(a)anthracene	0.2	< 0.25	< 0.25	4.5	4.5	0.79	< 0.63	0.78	0.70	4.7	< 0.28	< 0.26
Chrysene	0.2	< 0.25	0.27	4.2	4.5	1.3	1.0	< 0.65	0.79	5.1	< 0.28	< 0.26
Benzo(b)fluoranthene	0.2	< 0.25	< 0.25	3.3	3.8	< 0.69	< 0.63	0.65	0.73	4.3	< 0.28	< 0.26
Benzo(k)fluoranthene	0.2	< 0.25	< 0.25	4.0	4.1	< 0.69	< 0.63	< 0.65	0.70	3.9	< 0.28	< 0.26
Benzo(e)pyrene	0.2	< 0.25	< 0.25	3.7	4.0	< 0.69	< 0.63	< 0.65	< 0.63	4.4	< 0.28	< 0.26
Benzo(a)pyrene	0.2	< 0.25	< 0.25	6.6	6.7	1.1	< 0.63	1.1	1.1	7.6	< 0.28	< 0.26
Indeno(123cd)pyrene	0.2	< 0.25	< 0.25	2.7	3.0	< 0.69	< 0.63	0.71	< 0.63	3.4	< 0.28	< 0.26
Dibenz(ah)anthracene	0.2	< 0.25	< 0.25	1.5	1.6	< 0.69	< 0.63	< 0.65	< 0.63	1.6	< 0.28	< 0.26
Benzo(ghi)perylene	0.2	< 0.25	< 0.25	3.3	3.5	0.76	< 0.63	0.75	0.63	4.4	< 0.28	< 0.26
Total		-	0.27	52	55	5.1	1.6	6.2	7.9	62	-	-
Solids, Total		80.9	80.1	38.1	38.1	29.1	31.9	30.8	31.5	35.6	72.6	78.3
Surrogate	75-125%	92.9	88.9	111	109	107	108	106	85.9	107	107	108
Dilution Factor		1	1	1	1	1	1	1	1	1	1	1

TABLE 1
Ashland/NSP Lakefront Superfund Site
Soil Samples

Sample Description

PAHs	Reporting Limit mg/kg	NSP-SE-9-1A-0505	NSP-SE-1-13A-0505	NSP-SE-1-11C-0505	NSP-SE-1-12A-0505	NSP-SE-1-15C-0505	NSP-SE-1-15A-0505	NSP-SE-1-12G-0505				
Naphthalene	0.2	< 0.29	< 0.24	0.62	2.1	1.4	1.9	0.82				
1-MethylNaphthalene	0.2	< 0.29	< 0.24	< 0.54	1.5	1.3	1.6	0.61				
2-MethylNaphthalene	0.2	< 0.29	< 0.24	< 0.54	1.2	0.75	0.87	< 0.61				
Acenaphthylene	0.2	< 0.29	< 0.24	< 0.54	< 0.24	3.7	4.1	3.1				
Acenaphthene	0.2	< 0.29	< 0.24	< 0.54	1.6	1.1	1.5	1.0				
Fluorene	0.2	< 0.29	< 0.24	< 0.54	0.69	0.56	1.6	0.82				
Phenanthrene	0.2	< 0.29	< 0.24	< 0.54	2.7	2.6	3.3	2.1				
Anthracene	0.2	< 0.29	< 0.24	< 0.54	0.90	2.3	2.5	1.8				
Fluoranthene	0.2	< 0.29	< 0.24	0.76	1.1	5.0	6.8	5.1				
Pyrene	0.2	< 0.29	< 0.24	1.3	1.7	8.2	11	9.3				
Benzo(a)anthracene	0.2	< 0.29	< 0.24	0.97	0.49	7.5	8.7	7.1				
Chrysene	0.2	< 0.29	< 0.24	0.60	0.47	7.0	8.8	6.8				
Benzo(b)fluoranthene	0.2	< 0.29	< 0.24	0.68	0.25	5.6	6.9	5.3				
Benzo(k)fluoranthene	0.2	< 0.29	< 0.24	0.60	0.25	6.5	7.5	6.0				
Benzo(e)pyrene	0.2	< 0.29	< 0.24	0.81	0.30	6.4	7.4	6.6				
Benzo(a)pyrene	0.2	< 0.29	< 0.24	1.4	0.53	11	13	10				
Indeno(123cd)pyrene	0.2	< 0.29	< 0.24	0.68	< 0.24	4.8	5.9	4.7				
Dibenz(ah)anthracene	0.2	< 0.29	< 0.24	0.60	< 0.24	2.6	3.3	2.4				
Benzo(ghi)perylene	0.2	< 0.29	< 0.24	0.78	0.25	6.3	7.6	6.3				
Total		-	-	9.8	16	84	100	80				
Solids, Total		67.8	82.9	37.0	84.3	41.1	35.6	32.7				
Surrogate	75-125%	109	108	101	113	99.9	103	101				
Dilution Factor		1	1	1	1	1	1	1				

TABLE 2
Ashland/NSP Lakefront Superfund Site
Soil Samples

Sample Description

PAHs	Reporting Limit mg/kg	QC Limits LCS/MS/MSD	Blank 05/10/05	LCS 05/10/05	NSP-SE-1-2A-0505 MS 05/10/05	NSP-SE-1-2A-0505 MSD 05/10/05		Blank 05/11/05	LCS 05/11/05	NSP-SE-9-1A-0505 05/11/05	NSP-SE-9-1A-0505 05/11/05
Naphthalene	0.2	75-125%	-	86.7	86.7	85.9		-	90.0	93.1	94.1
1-MethylNaphthalene	0.2	75-125%	-					-			
2-MethylNaphthalene	0.2	75-125%	-					-			
Acenaphthylene	0.2	75-125%	-	89.1	89.4	88.5		-	103	104	104
Acenaphthene	0.2	75-125%	-	90.5	90.4	89.6		-	103	106	106
Fluorene	0.2	75-125%	-	92.0	91.8	91.1		-	107	109	112
Phenanthrene	0.2	75-125%	-	93.2	92.1	92.4		-	103	111	117
Anthracene	0.2	75-125%	-	93.4	90.7	92.2		-	113	116	123
Fluoranthene	0.2	75-125%	-	87.3	89.6	88.0		-	99.8	102	97.8
Pyrene	0.2	75-125%	-	87.2	90.0	89.1		-	101	102	98.4
Benzo(a)anthracene	0.2	75-125%	-	88.4	95.2	95.0		-	105	111	109
Chrysene	0.2	75-125%	-	91.1	91.6	88.5		-	106	104	105
Benzo(b)fluoranthene	0.2	75-125%	-	87.9	94.7	94.8		-	107	111	112
Benzo(k)fluoranthene	0.2	75-125%	-	91.7	97.6	95.6		-	107	113	114
Benzo(e)pyrene	0.2	75-125%	-					-			
Benzo(a)pyrene	0.2	75-125%	-	87.3	89.8	90.1		-	103	108	106
Indeno(123cd)pyrene	0.2	75-125%	-	88.4	90.3	89.9		-	107	110	112
Dibenz(ah)anthracene	0.2	75-125%	-	87.2	89.2	89.1		-	107	110	111
Benzo(ghi)perylene	0.2	75-125%	-	88.3	90.0	89.2		-	106	112	110
Surrogate	75-125%	75-125%	92.8	88.8	91.2	89.2		109	104	108	105

TABLE 2
Ashland/NSP Lakefront Superfund Site
Soil Samples

Sample Description

PAHs	Reporting Limit mg/kg	QC Limits LCS/MS/MSD	Blank 05/12/05	LCS 05/12/05	NSP-SE-1-12A-0505 05/12/05	NSP-SE-1-12A-0505 05/12/05		Blank 05/13/05	LCS 05/13/05	NSP-SE-1-12G-0505 05/13/05	NSP-SE-1-12G-0505 05/13/05
Naphthalene	0.2	75-125%	-	95.6	95.1	101		-	92.3	91.1	91.1
1-MethylNaphthalene	0.2	75-125%	-					-			
2-MethylNaphthalene	0.2	75-125%	-					-			
Acenaphthylene	0.2	75-125%	-	105	106	104		-	97.3	101	102
Acenaphthene	0.2	75-125%	-	105	104	104		-	100	99.7	99.8
Fluorene	0.2	75-125%	-	111	110	111		-	102	100	101
Phenanthrene	0.2	75-125%	-	105	120	126		-	94.6	104	101
Anthracene	0.2	75-125%	-	115	128	136		-	111	112	96.4
Fluoranthene	0.2	75-125%	-	106	95.9	99.0		-	96.4	95.7	93.8
Pyrene	0.2	75-125%	-	104	96.9	106		-	97.7	98.9	95.0
Benzo(a)anthracene	0.2	75-125%	-	107	115	110		-	101	112	103
Chrysene	0.2	75-125%	-	107	107	108		-	109	101	101
Benzo(b)fluoranthene	0.2	75-125%	-	106	108	111		-	91.3	110	94.6
Benzo(k)fluoranthene	0.2	75-125%	-	107	113	109		-	91.4	109	94.4
Benzo(e)pyrene	0.2	75-125%	-					-			
Benzo(a)pyrene	0.2	75-125%	-	107	110	107		-	99.5	116	114
Indeno(123cd)pyrene	0.2	75-125%	-	113	114	115		-	103	110	110
Dibenz(ah)anthracene	0.2	75-125%	-	114	115	116		-	104	109	114
Benzo(ghi)perylene	0.2	75-125%	-	114	112	114		-	105	109	108
Surrogate	75-125%	75-125%	113	103	104	103		96.5	93.3	97.6	96.7

Table 3
ASHLAND/NSP LAKEFRONT SUPERFUND SITE
MAY, 2005
PPM(mg/Kg)

Target Analyte	RL	MDL1 5/11/2005	MDL2 5/11/2005	MDL3 5/11/2005	MDL4 5/11/2005	MDL5 5/11/2005	MDL6 5/11/2005	MDL7 5/11/2005	MDL8 5/11/2005	STND DEV	MDL	Spike/ MDL	1 Blank	
Naphthalene	0.25	0.23	0.23	0.25	0.26	0.24	0.25	0.23	0.24	0.01126	**0.034**	7.4	-	
1-MethylNaphthalene	0.25	0.25	0.24	0.24	0.25	0.23	0.25	0.23	0.23	0.009258	**0.028**	9.0	-	
2-MethylNaphthalene	0.25	0.24	0.23	0.24	0.28	0.22	0.23	0.24	0.22	0.019086	**0.057**	4.4	-	
Acenaphthylene	0.25	0.28	0.27	0.26	0.27	0.27	0.26	0.27	0.26	0.007071	**0.021**	11.8	-	
Acenaphthene	0.25	0.25	0.28	0.24	0.28	0.28	0.26	0.27	0.26	0.015119	**0.045**	5.5	-	
Fluorene	0.25	0.24	0.24	0.26	0.24	0.25	0.24	0.24	0.26	0.009161	**0.027**	9.1	-	
Phenanthrene	0.25	0.21	0.22	0.22	0.22	0.21	0.23	0.20	0.23	0.010351	**0.031**	8.1	-	
Anthracene	0.25	0.26	0.27	0.28	0.27	0.26	0.27	0.28	0.27	0.007559	**0.023**	11.0	-	
Fluorathnene	0.25	0.24	0.26	0.26	0.25	0.24	0.25	0.25	0.23	0.010351	**0.031**	8.1	-	
Pyrene	0.25	0.27	0.26	0.27	0.28	0.26	0.26	0.26	0.26	0.007559	**0.023**	11.0	-	
Benzo(a)anthracene	0.25	0.25	0.29	0.28	0.30	0.26	0.27	0.26	0.22	0.025036	**0.075**	3.3	-	
Chrysene	0.25	0.27	0.25	0.24	0.24	0.27	0.29	0.24	0.28	0.02	**0.060**	4.2	-	
Benzo(b)fluoranthene	0.25	0.25	0.26	0.27	0.24	0.23	0.22	0.22	0.23	0.018516	**0.056**	4.5	-	
Benzo(k)fluoranthene	0.25	0.26	0.25	0.25	0.23	0.24	0.23	0.22	0.21	0.01685	**0.051**	4.9	-	
Bezo(e)pyrene	0.25	0.24	0.24	0.24	0.24	0.25	0.23	0.25	0.25	0.007071	**0.021**	11.8	-	
Benzo(a)pyrene	0.25	0.32	0.33	0.33	0.29	0.30	0.31	0.24	0.31	0.029246	**0.088**	2.9	-	
Indeno(123-cd)pyrene	0.25	0.30	0.30	0.28	0.28	0.28	0.28	0.27	0.27	0.01165	**0.035**	7.2	-	
Dibenz(ah)anthracene	0.25	0.31	0.31	0.29	0.29	0.31	0.30	0.29	0.29	0.00991	**0.030**	8.4	-	
Beznzo(ghi)perylene	0.25	0.29	0.30	0.28	0.30	0.28	0.28	0.30	0.30	0.00991	**0.030**	8.4	-	
Surrogate		108.0	110.0	107.6	111.0	109.0	107.0	99.6	104.0				104	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				1	

Table 3
ASHLAND/NSP LAKEFRONT SUPERFUND SITE
MAY, 2005
% Recovery

Target Analyte	RL	MDL1 5/11/2005	MDL2 5/11/2005	MDL3 5/11/2005	MDL4 5/11/2005	MDL5 5/11/2005	MDL6 5/11/2005	MDL7 5/11/2005	MDL8 5/11/2005	MEAN RECOVERY	% RSD	1 Blank			
Naphthalene	0.25	92.0	92.0	100.0	104.0	96.0	100.0	92.0	96.0	96.50	4.67	-			
1-MethylNaphthalene	0.25	100.0	96.0	96.0	100.0	92.0	100.0	92.0	92.0	96.00	3.86	-			
2-MethylNaphthalene	0.25	96.0	92.0	96.0	112.0	88.0	92.0	96.0	88.0	95.00	8.04	-			
Acenaphthylene	0.25	112.0	108.0	104.0	108.0	108.0	104.0	108.0	104.0	107.00	2.64	-			
Acenaphthene	0.25	100.0	112.0	96.0	112.0	112.0	104.0	108.0	104.0	106.00	5.71	-			
Fluorene	0.25	96.0	96.0	104.0	96.0	100.0	96.0	96.0	104.0	98.50	3.72	-			
Phenanthrene	0.25	84.0	88.0	88.0	88.0	84.0	92.0	80.0	92.0	87.00	4.76	-			
Anthracene	0.25	104.0	108.0	112.0	108.0	104.0	108.0	112.0	108.0	108.00	2.80	-			
Fluoranthene	0.25	96.0	104.0	104.0	100.0	96.0	100.0	100.0	92.0	99.00	4.18	-			
Pyrene	0.25	108.0	104.0	108.0	112.0	104.0	104.0	104.0	104.0	106.00	2.85	-			
Benzo(a)anthracene	0.25	100.0	116.0	112.0	120.0	104.0	108.0	104.0	88.0	106.50	9.40	-			
Chrysene	0.25	108.0	100.0	96.0	96.0	108.0	116.0	96.0	112.0	104.00	7.69	-			
Benzo(b)fluoranthene	0.25	100.0	104.0	108.0	96.0	92.0	88.0	88.0	92.0	96.00	7.72	-			
Benzo(k)fluoranthene	0.25	104.0	100.0	100.0	92.0	96.0	92.0	88.0	84.0	94.50	7.13	-			
Benzo(e)pyrene	0.25	96.0	96.0	96.0	96.0	100.0	92.0	100.0	100.0	97.00	2.92	-			
Benzo(a)pyrene	0.25	128.0	132.0	132.0	116.0	120.0	124.0	96.0	124.0	121.50	9.63	-			
Indeno(123-cd)pyrene	0.25	120.0	120.0	112.0	112.0	112.0	112.0	108.0	108.0	113.00	4.12	-			
Dibenz(ah)anthracene	0.25	124.0	124.0	116.0	116.0	124.0	120.0	116.0	116.0	119.50	3.32	-			
Beznzo(ghi)perylene	0.25	116.0	120.0	112.0	120.0	112.0	112.0	120.0	120.0	116.50	3.40	-			
Surrogate		108.0	110.0	107.6	111.0	109.0	107.0	99.6	104.0	0.0	0.0	104			
Dilution Factor		1	1	1	1	1	1	1	1	0	0	1			

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Ashland NSP/Lakefront 25688375

NSP-SW-ADCP2-0505 NLS ID: 370622
Ref. Line 1 COC 71712 NSP-SW-ADCP2-0505 Matrix: SW
Collected: 05/11/05 07:46 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	[1.0]	mg/L	1	1.0*		05/17/05	EPA 160.2	721026460
Turbidity, Lab	2.9	NTU	1	0.50*		05/16/05	EPA 180.1	721026460

NSP-SW-ADCP4-0505 NLS ID: 370623
Ref. Line 2 COC 71712 NSP-SW-ADCP4-0505 Matrix: SW
Collected: 05/11/05 07:46 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	2.0	mg/L	1	1.0*		05/17/05	EPA 160.2	721026460
Turbidity, Lab	2.1	NTU	1	0.50*		05/16/05	EPA 180.1	721026460

NSP-SW-ADCP6-0505 NLS ID: 370624
Ref. Line 3 COC 71712 NSP-SW-ADCP6-0505 Matrix: SW
Collected: 05/11/05 07:46 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	ND	mg/L	1	1.0*		05/17/05	EPA 160.2	721026460
Turbidity, Lab	2.1	NTU	1	0.50*		05/16/05	EPA 180.1	721026460

NSP-SW-ADV-0505 NLS ID: 370625
Ref. Line 4 COC 71712 NSP-SW-ADV-0505 Matrix: SW
Collected: 05/11/05 08:09 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	ND	mg/L	1	1.0*		05/17/05	EPA 160.2	721026460
Turbidity, Lab	2.0	NTU	1	0.50*		05/16/05	EPA 180.1	721026460

NSP-SW-ADCP2B-0505 NLS ID: 370626
Ref. Line 5 COC 71712 NSP-SW-ADCP2B-0505 Matrix: SW
Collected: 05/11/05 12:38 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	8.0	mg/L	1	1.0*		05/17/05	EPA 160.2	721026460
Turbidity, Lab	5.3	NTU	1	0.50*		05/16/05	EPA 180.1	721026460

NSP-SW-ADCP4B-0505 NLS ID: 370627
Ref. Line 6 COC 71712 NSP-SW-ADCP4B-0505 Matrix: SW
Collected: 05/11/05 12:38 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	11	mg/L	1	1.0*		05/17/05	EPA 160.2	721026460
Turbidity, Lab	ND	NTU	1	0.50*		05/16/05	EPA 180.1	721026460

NSP-SW-ADCP6B-0505 NLS ID: 370628
Ref. Line 7 COC 71712 NSP-SW-ADCP6B-0505 Matrix: SW
Collected: 05/11/05 12:38 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	11	mg/L	1	1.0*		05/17/05	EPA 160.2	721026460
Turbidity, Lab	9.6	NTU	1	0.50*		05/16/05	EPA 180.1	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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

NSP-SW-ADV-B-0505 NLS ID: 370629
Ref. Line 8 COC 71712 NSP-SW-ADV-B-0505 Matrix: SW
Collected: 05/11/05 12:42 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	13	mg/L	1	1.0*		05/17/05	EPA 160.2	721026460
Turbidity, Lab	8.0	NTU	1	0.50*		05/16/05	EPA 180.1	721026460

Soil, NSP-SE-1-9A-0505-NLS NLS ID: 370630
Ref. Line 9 COC 71712 Soil, NSP-SE-1-9A-0505-NLS Matrix: SO
Collected: 05/10/05 14:33 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	26.2	%	1	0.10*		05/16/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	SW846 3550B	721026460

Soil, NSP-SE-1-13A-0505-NLS NLS ID: 370631
Ref. Line 10 COC 71712 Soil, NSP-SE-1-13A-0505-NLS Matrix: SO
Collected: 05/12/05 09:20 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	70.3	%	1	0.10*		05/16/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	SW846 3550B	721026460

Soil, NSP-SE-1-15C-0505-NLS NLS ID: 370632
Ref. Line 1 COC 71713 Soil, NSP-SE-1-15C-0505-NLS Matrix: SO
Collected: 05/12/05 09:57 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	33.7	%	1	0.10*		05/16/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-21-1C-0505 NLS ID: 370633
Ref. Line 2 COC 71713 Soil, NSP-SE-21-1C-0505 Matrix: SO
Collected: 05/12/05 12:38 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	5500	mg/Kg DWB	1	11	40	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.5	5.2	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.9]	mg/Kg DWB	20	1.2	4.1	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	45	mg/Kg DWB	1	0.25	0.51	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.22	mg/Kg DWB	1	0.051	0.18	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.38	1.4	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	2500	mg/Kg DWB	10	76	150	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	14	mg/Kg DWB	1	0.76	2.7	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	7.0	mg/Kg DWB	1	0.71	2.5	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	84	mg/Kg DWB	1	0.30	1.1	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	14000	mg/Kg DWB	10	14	53	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[25]	mg/Kg DWB	1	8.2	30	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	2000	mg/Kg DWB	10	76	150	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	120	mg/Kg DWB	1	0.17	0.51	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.073	0.26	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	16	mg/Kg DWB	1	1.8	6.4	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	590	mg/Kg DWB	1	18	67	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.4	4.7	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.74	2.6	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	98	mg/Kg DWB	1	1.7	6.1	05/19/05	SW846 6010	721026460
Solids, total on solids	54.1	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	6.2	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	37	mg/Kg DWB	1	0.44	1.6	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	48	mg/Kg DWB	1	0.34	1.0	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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

NLS Project: 89476
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: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-24-1A-0505 NLS ID: 370634
Ref. Line 3 COC 71713 Soil, NSP-SE-24-1A-0505 Matrix: SO
Collected: 05/12/05 14:30 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	8100	mg/Kg DWB	1	12	44	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[1.5]	mg/Kg DWB	20	1.4	5.1	05/18/05	SW846 7041	721026460
	Digestion spikes were outside control limits. Analytical spikes were performed, and were within control limits. Data accepted.							
Arsenic, tot. recoverable as As by furnace AAS	[2.2]	mg/Kg DWB	20	1.1	4.0	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	44	mg/Kg DWB	1	0.28	0.56	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.084]	mg/Kg DWB	1	0.056	0.20	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.41	1.5	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	4900	mg/Kg DWB	10	84	170	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	18	mg/Kg DWB	1	0.84	3.0	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	7.9	mg/Kg DWB	1	0.78	2.7	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	23	mg/Kg DWB	1	0.33	1.2	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	15000	mg/Kg DWB	10	16	58	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[31]	mg/Kg DWB	1	9.1	33	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	4300	mg/Kg DWB	10	84	170	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	180	mg/Kg DWB	1	0.18	0.56	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.074	0.26	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	17	mg/Kg DWB	1	2.0	7.1	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	1100	mg/Kg DWB	1	20	73	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.6	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.81	2.9	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	100	mg/Kg DWB	1	1.8	6.7	05/19/05	SW846 6010	721026460
Solids, total on solids	53.4	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	6.0	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	43	mg/Kg DWB	1	0.49	1.8	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	57	mg/Kg DWB	1	0.37	1.1	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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

NLS Project: 89476
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: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-8-1C-0505 NLS ID: 370635
Ref. Line 4 COC 71713 Soil, NSP-SE-8-1C-0505 Matrix: SO
Collected: 05/12/05 11:30 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	4200	mg/Kg DWB	1	9.3	35	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.1	4.0	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.8]	mg/Kg DWB	20	0.90	3.2	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	26	mg/Kg DWB	1	0.22	0.44	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.044	0.16	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.33	1.2	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	2100	mg/Kg DWB	10	67	130	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	12	mg/Kg DWB	1	0.67	2.4	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	4.4	mg/Kg DWB	1	0.62	2.2	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	7.1	mg/Kg DWB	1	0.26	0.98	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	11000	mg/Kg DWB	10	12	46	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[7.8]	mg/Kg DWB	1	7.2	26	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1800	mg/Kg DWB	10	67	130	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	130	mg/Kg DWB	1	0.15	0.44	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.063	0.22	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	7.6	mg/Kg DWB	1	1.6	5.6	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	500	mg/Kg DWB	1	16	58	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.1	3.6	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.64	2.3	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	110	mg/Kg DWB	1	1.5	5.3	05/19/05	SW846 6010	721026460
Solids, total on solids	62.3	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.3	4.7	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	30	mg/Kg DWB	1	0.39	1.4	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	24	mg/Kg DWB	1	0.30	0.89	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	SW846 3550B	721026460

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ANALYTICAL REPORT

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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-22-2B-0505 NLS ID: 370636
Ref. Line 5 COC 71713 Soil, NSP-SE-22-2B-0505 Matrix: SO
Collected: 05/12/05 13:00 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	6500	mg/Kg DWB	1	12	45	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.9	6.8	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[5.1]	mg/Kg DWB	20	1.5	5.4	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	47	mg/Kg DWB	1	0.29	0.58	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.13]	mg/Kg DWB	1	0.058	0.20	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.43	1.6	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	3300	mg/Kg DWB	10	86	170	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	16	mg/Kg DWB	1	0.86	3.0	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	7.2	mg/Kg DWB	1	0.81	2.8	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	270	mg/Kg DWB	1	0.34	1.3	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	13000	mg/Kg DWB	10	16	60	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[32]	mg/Kg DWB	1	9.3	34	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	2800	mg/Kg DWB	10	86	170	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	120	mg/Kg DWB	1	0.19	0.58	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.069	0.24	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	15	mg/Kg DWB	1	2.0	7.3	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	820	mg/Kg DWB	1	21	75	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.8	6.1	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.83	3.0	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	100	mg/Kg DWB	1	1.9	6.9	05/19/05	SW846 6010	721026460
Solids, total on solids	45.9	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.3	8.0	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	37	mg/Kg DWB	1	0.50	1.8	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	60	mg/Kg DWB	1	0.39	1.2	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-20-1B-0505 NLS ID: 370637
Ref. Line 6 COC 71713 Soil, NSP-SE-20-1B-0505 Matrix: SO
Collected: 05/12/05 12:20 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1100	mg/Kg DWB	1	7.2	27	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[1.6]	mg/Kg DWB	20	1.2	4.1	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.0]	mg/Kg DWB	20	0.93	3.3	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.4	mg/Kg DWB	1	0.17	0.34	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.099]	mg/Kg DWB	1	0.034	0.12	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.25	0.92	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	570	mg/Kg DWB	10	51	100	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	3.6	mg/Kg DWB	1	0.51	1.8	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.7]	mg/Kg DWB	1	0.48	1.7	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.7	mg/Kg DWB	1	0.20	0.75	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	4400	mg/Kg DWB	10	9.5	35	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.5	20	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	440	mg/Kg DWB	10	51	100	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	40	mg/Kg DWB	1	0.11	0.34	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.052	0.18	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.3]	mg/Kg DWB	1	1.2	4.3	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	12	45	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.1	3.8	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.49	1.8	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	31	mg/Kg DWB	1	1.1	4.1	05/19/05	SW846 6010	721026460
Solids, total on solids	76.6	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.4	4.9	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.30	1.1	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	6.6	mg/Kg DWB	1	0.23	0.68	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-23-1B-0505 NLS ID: 370638
Ref. Line 7 COC 71713 Soil, NSP-SE-23-1B-0505 Matrix: SO
Collected: 05/12/05 14:00 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	4700	mg/Kg DWB	1	10	38	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[1.8]	mg/Kg DWB	20	1.7	6.1	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.3]	mg/Kg DWB	20	1.4	4.8	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	36	mg/Kg DWB	1	0.24	0.48	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.25	mg/Kg DWB	1	0.048	0.17	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.36	1.3	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	3100	mg/Kg DWB	10	72	140	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	13	mg/Kg DWB	1	0.72	2.6	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	5.7	mg/Kg DWB	1	0.68	2.4	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	120	mg/Kg DWB	1	0.28	1.1	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	10000	mg/Kg DWB	10	14	50	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[21]	mg/Kg DWB	1	7.8	28	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	2100	mg/Kg DWB	10	72	140	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	120	mg/Kg DWB	1	0.16	0.48	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	[0.15]	mg/Kg DWB	1	0.078	0.28	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	11	mg/Kg DWB	1	1.7	6.1	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	610	mg/Kg DWB	1	17	63	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.6	5.5	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.70	2.5	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	120	mg/Kg DWB	1	1.6	5.8	05/19/05	SW846 6010	721026460
Solids, total on solids	50.5	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.0	7.2	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	28	mg/Kg DWB	1	0.42	1.5	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	54	mg/Kg DWB	1	0.32	0.97	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-11-1C-0505 NLS ID: 370639
Ref. Line 8 COC 71713 Soil, NSP-SE-11-1C-0505 Matrix: SO
Collected: 05/12/05 08:05 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	540	mg/Kg DWB	1	7.8	29	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.2	4.3	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	0.97	3.4	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	5.2	mg/Kg DWB	1	0.19	0.37	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.045]	mg/Kg DWB	1	0.037	0.13	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.28	1.0	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	270	mg/Kg DWB	1	5.6	11	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	[1.2]	mg/Kg DWB	1	0.56	2.0	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[0.96]	mg/Kg DWB	1	0.52	1.8	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.1	mg/Kg DWB	1	0.22	0.82	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	2200	mg/Kg DWB	1	1.0	3.9	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.0	22	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	230	mg/Kg DWB	1	5.6	11	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	20	mg/Kg DWB	1	0.12	0.37	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.054	0.19	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.3	4.7	05/18/05	SW846 6010	721026460
Potassium, tot recoverable as K by ICP	60	mg/Kg DWB	1	13	49	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.1	3.9	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.54	1.9	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	22	mg/Kg DWB	1	1.2	4.5	05/19/05	SW846 6010	721026460
Solids, total on solids	73.2	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.4	5.1	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	5.2	mg/Kg DWB	1	0.32	1.2	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	3.6	mg/Kg DWB	1	0.25	0.75	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-2-2B-0505 NLS ID: 370640
Ref. Line 9 COC 71713 Soil, NSP-SE-2-2B-0505 Matrix: SO
Collected: 05/12/05 12:00 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	2300	mg/Kg DWB	1	8.5	31	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[1.6]	mg/Kg DWB	20	1.3	4.7	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.8]	mg/Kg DWB	20	1.1	3.7	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	18	mg/Kg DWB	1	0.20	0.40	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.044]	mg/Kg DWB	1	0.040	0.14	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.30	1.1	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	2200	mg/Kg DWB	10	60	120	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	8.6	mg/Kg DWB	1	0.60	2.1	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	3.2	mg/Kg DWB	1	0.56	2.0	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	7.9	mg/Kg DWB	1	0.24	0.89	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	8700	mg/Kg DWB	10	11	42	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.5	24	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	990	mg/Kg DWB	10	60	120	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	110	mg/Kg DWB	1	0.13	0.40	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.063	0.22	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[4.4]	mg/Kg DWB	1	1.4	5.1	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	300	mg/Kg DWB	1	15	53	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.3	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.58	2.1	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	53	mg/Kg DWB	1	1.3	4.8	05/19/05	SW846 6010	721026460
Solids, total on solids	63.2	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.6	5.6	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	23	mg/Kg DWB	1	0.35	1.3	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	17	mg/Kg DWB	1	0.27	0.81	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-9-1B-0505 NLS ID: 370641
Ref. Line 10 COC 71713 Soil, NSP-SE-9-1B-0505 Matrix: SO
Collected: 05/12/05 14:46 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	3500	mg/Kg DWB	1	7.1	26	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.2	4.3	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.9]	mg/Kg DWB	20	0.95	3.4	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	18	mg/Kg DWB	1	0.17	0.34	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.034	0.12	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.25	0.91	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	1900	mg/Kg DWB	10	50	100	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	10	mg/Kg DWB	1	0.50	1.8	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	3.5	mg/Kg DWB	1	0.47	1.6	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	6.0	mg/Kg DWB	1	0.20	0.74	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	10000	mg/Kg DWB	10	9.4	35	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[5.8]	mg/Kg DWB	1	5.4	20	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1600	mg/Kg DWB	10	50	100	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	100	mg/Kg DWB	1	0.11	0.34	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.060	0.21	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	6.9	mg/Kg DWB	1	1.2	4.3	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	430	mg/Kg DWB	1	12	44	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.1	3.9	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.49	1.7	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	53	mg/Kg DWB	1	1.1	4.0	05/19/05	SW846 6010	721026460
Solids, total on solids	65.9	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.4	5.0	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	26	mg/Kg DWB	1	0.29	1.1	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	19	mg/Kg DWB	1	0.23	0.67	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/17/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/19/05	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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-26-1A-0505 NLS ID: 370642
Ref. Line 1 COC 71714 Soil, NSP-SE-26-1A-0505 Matrix: SO
Collected: 05/13/05 11:47 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	720	mg/Kg DWB	1	6.8	25	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.2	4.1	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.9]	mg/Kg DWB	20	0.93	3.3	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	4.2	mg/Kg DWB	1	0.16	0.32	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.097]	mg/Kg DWB	1	0.032	0.11	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.24	0.87	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	390	mg/Kg DWB	1	4.8	9.7	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	2.2	mg/Kg DWB	1	0.48	1.7	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.1]	mg/Kg DWB	1	0.45	1.6	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.2	mg/Kg DWB	1	0.19	0.71	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	4000	mg/Kg DWB	1	0.90	3.4	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.2	19	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	360	mg/Kg DWB	1	4.8	9.7	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	33	mg/Kg DWB	1	0.11	0.32	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.054	0.19	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.5]	mg/Kg DWB	1	1.1	4.1	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	69	mg/Kg DWB	1	12	42	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.1	3.8	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.47	1.7	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	28	mg/Kg DWB	1	1.1	3.9	05/19/05	SW846 6010	721026460
Solids, total on solids	72.6	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.4	4.9	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	11	mg/Kg DWB	1	0.28	1.0	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	7.3	mg/Kg DWB	1	0.22	0.65	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-10-2C-0505 NLS ID: 370643
Ref. Line 2 COC 71714 Soil, NSP-SE-10-2C-0505 Matrix: SO
Collected: 05/13/05 14:04 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1400	mg/Kg DWB	1	6.7	25	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[2.1]	mg/Kg DWB	20	1.3	4.6	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.0	3.7	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	11	mg/Kg DWB	1	0.16	0.32	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.19	mg/Kg DWB	1	0.032	0.11	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.23	0.86	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	690	mg/Kg DWB	10	48	95	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	5.2	mg/Kg DWB	1	0.48	1.7	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.3]	mg/Kg DWB	1	0.44	1.6	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	3.7	mg/Kg DWB	1	0.19	0.70	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	4100	mg/Kg DWB	10	8.9	33	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.1	19	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	540	mg/Kg DWB	10	48	95	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	37	mg/Kg DWB	1	0.10	0.32	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.057	0.20	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.0]	mg/Kg DWB	1	1.1	4.0	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	190	mg/Kg DWB	1	11	42	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.2	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.46	1.6	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	38	mg/Kg DWB	1	1.0	3.8	05/19/05	SW846 6010	721026460
Solids, total on solids	69.8	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.5	5.5	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.28	1.0	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	13	mg/Kg DWB	1	0.21	0.63	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-10-1A-0505 NLS ID: 370644
Ref. Line 3 COC 71714 Soil, NSP-SE-10-1A-0505 Matrix: SO
Collected: 05/13/05 13:10 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1300	mg/Kg DWB	1	7.6	28	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[1.6]	mg/Kg DWB	20	1.0	3.7	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	0.83	2.9	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	11	mg/Kg DWB	1	0.18	0.36	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.051]	mg/Kg DWB	1	0.036	0.13	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.27	0.98	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	940	mg/Kg DWB	10	54	110	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	3.6	mg/Kg DWB	1	0.54	1.9	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	1.9	mg/Kg DWB	1	0.51	1.8	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.7	mg/Kg DWB	1	0.21	0.79	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	5800	mg/Kg DWB	10	10	38	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[21]	mg/Kg DWB	1	5.9	21	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	620	mg/Kg DWB	10	54	110	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	70	mg/Kg DWB	1	0.12	0.36	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.058	0.20	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.5]	mg/Kg DWB	1	1.3	4.6	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	160	mg/Kg DWB	1	13	47	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	0.97	3.4	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.52	1.9	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	49	mg/Kg DWB	1	1.2	4.3	05/19/05	SW846 6010	721026460
Solids, total on solids	68.5	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.2	4.4	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	13	mg/Kg DWB	1	0.31	1.2	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	21	mg/Kg DWB	1	0.24	0.72	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-5-2A-0505 NLS ID: 370645
Ref. Line 4 COC 71714 Soil, NSP-SE-5-2A-0505 Matrix: SO
Collected: 05/13/05 11:16 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	380	mg/Kg DWB	1	7.4	27	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.1	4.1	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	0.91	3.2	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	2.6	mg/Kg DWB	1	0.18	0.35	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.47	mg/Kg DWB	1	0.035	0.12	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.26	0.95	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	140	mg/Kg DWB	1	5.3	11	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	[0.66]	mg/Kg DWB	1	0.53	1.9	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[0.55]	mg/Kg DWB	1	0.49	1.7	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	0.85	mg/Kg DWB	1	0.21	0.77	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	1000	mg/Kg DWB	1	0.98	3.6	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.7	21	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	160	mg/Kg DWB	1	5.3	11	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	15	mg/Kg DWB	1	0.12	0.35	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.057	0.20	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.2	4.4	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	80	mg/Kg DWB	1	13	46	05/19/05	SW846 6010	721026460
Selenium, tot recoverable as Se by furnace	ND	mg/Kg DWB	20	1.1	3.7	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.51	1.8	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	9.9	mg/Kg DWB	1	1.2	4.2	05/19/05	SW846 6010	721026460
Solids, total on solids	69.5	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.4	4.8	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	2.2	mg/Kg DWB	1	0.30	1.1	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	2.6	mg/Kg DWB	1	0.23	0.70	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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: 89476
NLS Customer: 91206

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

Project: **Ashland NSP/Lakefront 25688375**

Soil, NSP-SE-13-1A-0505 NLS ID: 370646
Ref. Line 5 COC 71714 Soil, NSP-SE-13-1A-0505 Matrix: SO
Collected: 05/13/05 14:37 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	900	mg/Kg DWB	1	7.0	26	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[1.3]	mg/Kg DWB	20	1.0	3.6	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.1]	mg/Kg DWB	20	0.80	2.8	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	5.3	mg/Kg DWB	1	0.17	0.33	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	1.2	mg/Kg DWB	1	0.033	0.12	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.25	0.89	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	390	mg/Kg DWB	1	5.0	9.9	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	2.3	mg/Kg DWB	1	0.50	1.8	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.2]	mg/Kg DWB	1	0.46	1.6	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.6	mg/Kg DWB	1	0.20	0.73	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	3000	mg/Kg DWB	1	0.93	3.4	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.4	20	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	360	mg/Kg DWB	1	5.0	9.9	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	33	mg/Kg DWB	1	0.11	0.33	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.056	0.20	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.6]	mg/Kg DWB	1	1.2	4.2	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	12	43	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	0.93	3.2	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.48	1.7	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	12	mg/Kg DWB	1	1.1	4.0	05/19/05	SW846 6010	721026460
Solids, total on solids	70.9	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.2	4.2	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.6	mg/Kg DWB	1	0.29	1.1	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	5.9	mg/Kg DWB	1	0.22	0.66	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-15-1A-0505 NLS ID: 370647
Ref. Line 6 COC 71714 Soil, NSP-SE-15-1A-0505 Matrix: SO
Collected: 05/13/05 09:06 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1100	mg/Kg DWB	1	8.4	31	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[1.6]	mg/Kg DWB	20	1.3	4.7	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.7]	mg/Kg DWB	20	1.0	3.7	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.8	mg/Kg DWB	1	0.20	0.40	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.096]	mg/Kg DWB	1	0.040	0.14	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.30	1.1	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	510	mg/Kg DWB	1	6.0	12	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		*NOTHING ENTERED*	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	2.3	mg/Kg DWB	1	0.60	2.1	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.3]	mg/Kg DWB	1	0.56	2.0	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.9	mg/Kg DWB	1	0.24	0.88	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	3500	mg/Kg DWB	1	1.1	4.1	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.5	24	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	460	mg/Kg DWB	1	6.0	12	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	37	mg/Kg DWB	1	0.13	0.40	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.059	0.21	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.1]	mg/Kg DWB	1	1.4	5.1	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	180	mg/Kg DWB	1	14	52	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.2	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.58	2.1	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	28	mg/Kg DWB	1	1.3	4.8	05/19/05	SW846 6010	721026460
Solids, total on solids	66.8	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.6	5.5	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.2	mg/Kg DWB	1	0.35	1.3	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	8.3	mg/Kg DWB	1	0.27	0.80	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-4-1A-0505 NLS ID: 370648
Ref. Line 7 COC 71714 Soil, NSP-SE-4-1A-0505 Matrix: SO
Collected: 05/13/05 10:13 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	2400	mg/Kg DWB	1	16	58	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.3	8.1	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.2]	mg/Kg DWB	20	1.8	6.4	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	18	mg/Kg DWB	1	0.37	0.74	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.13]	mg/Kg DWB	1	0.074	0.26	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.55	2.0	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	2000	mg/Kg DWB	10	110	220	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	4.4	mg/Kg DWB	1	1.1	3.9	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[2.3]	mg/Kg DWB	1	1.0	3.6	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.9	mg/Kg DWB	1	0.44	1.6	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	3000	mg/Kg DWB	10	21	77	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	12	44	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	890	mg/Kg DWB	10	110	220	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	53	mg/Kg DWB	1	0.25	0.74	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.072	0.25	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.6]	mg/Kg DWB	1	2.6	9.4	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	370	mg/Kg DWB	1	27	97	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.1	7.4	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	3.9	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	40	mg/Kg DWB	1	2.5	8.9	05/19/05	SW846 6010	721026460
Solids, total on solids	31.4	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.7	9.6	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	9.1	mg/Kg DWB	1	0.65	2.4	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	22	mg/Kg DWB	1	0.50	1.5	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-25-1A-0505 NLS ID: 370649
Ref. Line 8 COC 71714 Soil, NSP-SE-25-1A-0505 Matrix: SO
Collected: 05/13/05 09:30 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	2600	mg/Kg DWB	1	7.5	28	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.2	4.2	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	0.94	3.3	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	16	mg/Kg DWB	1	0.18	0.36	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.078]	mg/Kg DWB	1	0.036	0.12	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.26	0.96	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	1700	mg/Kg DWB	10	53	110	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot recoverable as Cr by ICP	6.2	mg/Kg DWB	1	0.53	1.9	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	2.6	mg/Kg DWB	1	0.50	1.7	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.9	mg/Kg DWB	1	0.21	0.78	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	6500	mg/Kg DWB	10	10	37	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.8	21	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1000	mg/Kg DWB	10	53	110	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	75	mg/Kg DWB	1	0.12	0.36	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.063	0.22	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.8]	mg/Kg DWB	1	1.2	4.5	05/18/05	SW846 6010	721026460
Potassium, tot recoverable as K by ICP	360	mg/Kg DWB	1	13	47	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.1	3.8	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.52	1.8	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	57	mg/Kg DWB	1	1.2	4.3	05/19/05	SW846 6010	721026460
Solids, total on solids	62.8	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.4	5.0	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	15	mg/Kg DWB	1	0.31	1.1	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	16	mg/Kg DWB	1	0.24	0.71	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	SW846 3550B	721026460

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ANALYTICAL REPORT

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

Project: Ashland NSP/Lakefront 25688375

NLS Project: 89476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-5-1B-0505 NLS ID: 370650
Ref. Line 9 COC 71714 Soil, NSP-SE-5-1B-0505 Matrix: SO
Collected: 05/13/05 11:03 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	660	mg/Kg DWB	1	7.7	28	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[2.0]	mg/Kg DWB	20	1.3	4.7	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.2]	mg/Kg DWB	20	1.1	3.7	05/17/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	4.4	mg/Kg DWB	1	0.18	0.36	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.036	0.13	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.27	0.98	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	320	mg/Kg DWB	1	5.5	11	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot. recoverable as Cr by ICP	[1.4]	mg/Kg DWB	1	0.55	1.9	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[0.88]	mg/Kg DWB	1	0.51	1.8	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.7	mg/Kg DWB	1	0.22	0.80	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	1800	mg/Kg DWB	1	1.0	3.8	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.9	22	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	230	mg/Kg DWB	1	5.5	11	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	25	mg/Kg DWB	1	0.12	0.36	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.061	0.22	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.3	4.6	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	95	mg/Kg DWB	1	13	48	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.3	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.53	1.9	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	21	mg/Kg DWB	1	1.2	4.4	05/19/05	SW846 6010	721026460
Solids, total on solids	64.4	%	1	0.10*		05/16/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.6	5.5	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	7.0	mg/Kg DWB	1	0.32	1.2	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	7.4	mg/Kg DWB	1	0.24	0.73	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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: 89476
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: Ashland NSP/Lakefront 25688375

Soil, NSP-SE-4-2B-0505 NLS ID: 370651
Ref. Line 10 COC 71714 Soil, NSP-SE-4-2B-0505 Matrix: SO
Collected: 05/13/05 10:45 Received: 05/14/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	570	mg/Kg DWB	1	8.7	32	05/18/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[1.2]	mg/Kg DWB	20	1.1	4.0	05/18/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	0.89	3.2	05/18/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	6.3	mg/Kg DWB	1	0.21	0.41	05/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.041	0.14	05/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.31	1.1	05/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	710	mg/Kg DWB	1	6.2	12	05/19/05	SW846 6010	721026460
Chromium, trivalent as Cr+3		NOTHING ENTERED	1				Calc.	721026460
Chromium, Hex. as Cr+6 (soil)		NOTHING ENTERED	1				NA	721026460
Chromium, tot recoverable as Cr by ICP	[1.3]	mg/Kg DWB	1	0.62	2.2	05/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[0.97]	mg/Kg DWB	1	0.58	2.0	05/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.5	mg/Kg DWB	1	0.24	0.91	05/18/05	SW846 6010	721026460
Iron, tot. recoverable as Fe by ICP	2000	mg/Kg DWB	1	1.2	4.3	05/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.7	24	05/18/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	260	mg/Kg DWB	1	6.2	12	05/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	34	mg/Kg DWB	1	0.14	0.41	05/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.059	0.21	05/22/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.4	5.2	05/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	15	54	05/19/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.0	3.6	05/17/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.60	2.1	05/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	15	mg/Kg DWB	1	1.4	5.0	05/19/05	SW846 6010	721026460
Solids, total on solids	67.0	%	1	0.10*		05/18/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.3	4.7	05/18/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	5.5	mg/Kg DWB	1	0.36	1.3	05/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	5.7	mg/Kg DWB	1	0.28	0.83	05/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					05/17/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					05/17/05	SW846 3050M	721026460
Organochlorine Pesticides (soil) by EPA 8081/PCBs by EPA 8082	NOTHING ENTERED						SW846 8081/8082	721026460
Organics Extraction (Soil) for Organochlorine Pesticides/PCBs	yes					05/18/05	SW846 3540C	721026460
Semivolatile GC/MS by 8270C (soil)	NOTHING ENTERED						SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					05/20/05	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: 89476**

Project Description: Ashland NSP/Lakefront 25688375

Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370630 **Soil, NSP-SE-1-9A-0505-NLS** **Collected: 05/10/05** **Analyzed: 05/20/05 -**

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	340	ug/Kg	1	34	110
Benzo[a]pyrene	440	ug/Kg	1	34	110
Benzo[b]fluoranthene	500	ug/Kg	1	38	130
Benzo[g,h,i]perylene	200	ug/Kg	1	33	110
Benzo[k]fluoranthene	160	ug/Kg	1	38	130
Chrysene	390	ug/Kg	1	36	120
Dibenzo[a,h]anthracene	ND	ug/Kg	1	34	110
Dibenzofuran	ND	ug/Kg	1	32	110
Fluoranthene	570	ug/Kg	1	37	120
Fluorene	ND	ug/Kg	1	32	110
Indeno[1,2,3-cd]pyrene	140	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	470	ug/Kg	1	37	120
Phenol	ND	ug/Kg	1	28	94
Pyrene	620	ug/Kg	1	36	120
Benzo[e]pyrene	310	ug/Kg	1	38	130
2-Fluorophenol (SURR**)	60%				
Phenol-d5 (SURR**)	64%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	60%				
2,4,6-Tribromophenol (SURR**)	77%				
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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370631 **Soil, NSP-SE-1-13A-0505-NLS** **Collected: 05/12/05** **Analyzed: 05/20/05 -**

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	[83]	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	ND	ug/Kg	1	33	110
Benzo[k]fluoranthene	ND	ug/Kg	1	38	130
Chrysene	[87]	ug/Kg	1	36	120
Dibenzo[a,h]anthracene	ND	ug/Kg	1	34	110
Dibenzofuran	ND	ug/Kg	1	32	110
Fluoranthene	[100]	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	[63]	ug/Kg	1	37	120
Phenol	ND	ug/Kg	1	28	94
Pyrene	140	ug/Kg	1	36	120
Benzo[e]pyrene	[73]	ug/Kg	1	38	130
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	86%				
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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370632 **Soil, NSP-SE-1-15C-0505-NLS** **Collected: 05/12/05** **Analyzed: 05/20/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	710	ug/Kg	4	130	430
Acenaphthylene	2400	ug/Kg	4	120	410
Anthracene	950	ug/Kg	4	150	510
Benzo[a]anthracene	4500	ug/Kg	4	140	460
Benzo[a]pyrene	7300	ug/Kg	4	140	450
Benzo[b]fluoranthene	6400	ug/Kg	4	150	500
Benzo[g,h,i]perylene	2300	ug/Kg	4	130	430
Benzo[k]fluoranthene	2400	ug/Kg	4	150	510
Chrysene	4700	ug/Kg	4	140	480
Dibenzo[a,h]anthracene	ND	ug/Kg	4	140	450
Dibenzofuran	ND	ug/Kg	4	130	420
Fluoranthene	3600	ug/Kg	4	150	500
Fluorene	570	ug/Kg	4	130	430
Indeno[1,2,3-cd]pyrene	1400	ug/Kg	4	120	420
1-Methylnaphthalene	450	ug/Kg	4	130	420
2-Methylnaphthalene	740	ug/Kg	4	120	410
2-Methylphenol	ND	ug/Kg	4	100	350
3 & 4-Methylphenol	ND	ug/Kg	4	220	770
Naphthalene	880	ug/Kg	4	120	410
Phenanthrene	1800	ug/Kg	4	150	490
Phenol	ND	ug/Kg	4	110	380
Pyrene	6400	ug/Kg	4	140	470
Benzo[e]pyrene	4400	ug/Kg	4	150	510
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	77%				
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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370633 **Soil, NSP-SE-21-1C-0505** **Collected: 05/12/05** **Analyzed: 05/20/05 -**

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	[200]	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	[200]	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	250	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	[220]	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	290	ug/Kg	2	71	240
Benzo[e]pyrene	[150]	ug/Kg	2	76	250
2-Fluorophenol (SURR**)	58%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	62%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	73%				
Terphenyl-d14 (SURR**)	59%				

Diluted due to sample matrix in order to prevent further instrument contamination.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

Customer: URS Corporation (Milwaukee) **NLS Project: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370634 **Soil, NSP-SE-24-1A-0505** **Collected: 05/12/05** **Analyzed: 05/20/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	2	65	220
Acenaphthylene	430	ug/Kg	2	61	200
Anthracene	[170]	ug/Kg	2	77	260
Benzo[a]anthracene	700	ug/Kg	2	68	230
Benzo[a]pyrene	1100	ug/Kg	2	68	230
Benzo[b]fluoranthene	1000	ug/Kg	2	75	250
Benzo[g,h,i]perylene	360	ug/Kg	2	65	220
Benzo[k]fluoranthene	390	ug/Kg	2	76	250
Chrysene	760	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	660	ug/Kg	2	75	250
Fluorene	ND	ug/Kg	2	65	220
Indeno[1,2,3-cd]pyrene	210	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	290	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	1100	ug/Kg	2	71	240
Benzo[e]pyrene	660	ug/Kg	2	76	250
2-Fluorophenol (SURR**)	57%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	62%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	61%				

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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370635 **Soil, NSP-SE-8-1C-0505** **Collected: 05/12/05** **Analyzed: 05/20/05 -**

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**)	63%				
Nitrobenzene-d5 (SURR**)	60%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	85%				
Terphenyl-d14 (SURR**)	60%				

Additional non-target compounds present.

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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370636 **Soil, NSP-SE-22-2B-0505** **Collected: 05/12/05** **Analyzed: 05/20/05 -**

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	ND	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	79%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	59%				

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.

Customer: URS Corporation (Milwaukee) **NLS Project: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370637 **Soil, NSP-SE-20-1B-0505** **Collected: 05/12/05** **Analyzed: 05/20/05 -**

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**)	66%				
2,4,6-Tribromophenol (SURR**)	85%				
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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370638 **Soil, NSP-SE-23-1B-0505** **Collected: 05/12/05** **Analyzed: 05/23/05 -**

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	430	ug/Kg	2	68	230
Benzo[a]pyrene	490	ug/Kg	2	68	230
Benzo[b]fluoranthene	600	ug/Kg	2	75	250
Benzo[g,h,i]perylene	[200]	ug/Kg	2	65	220
Benzo[k]fluoranthene	[200]	ug/Kg	2	76	250
Chrysene	560	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	730	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	[170]	ug/Kg	2	63	210
2-Methylnaphthalene	270	ug/Kg	2	62	210
2-Methylphenol	ND	ug/Kg	2	52	170
3 & 4-Methylphenol	ND	ug/Kg	2	110	390
Naphthalene	210	ug/Kg	2	61	200
Phenanthrene	710	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	820	ug/Kg	2	71	240
Benzo[e]pyrene	440	ug/Kg	2	76	250
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	69%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	57%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	52%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370639 **Soil, NSP-SE-11-1C-0505** **Collected: 05/12/05** **Analyzed: 05/22/05 -**

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**)	64%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	56%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370640 **Soil, NSP-SE-2-2B-0505** **Collected: 05/12/05** **Analyzed: 05/22/05 -**

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	[57]	ug/Kg	1	36	120
Dibenzo[a,h]anthracene	ND	ug/Kg	1	34	110
Dibenzofuran	ND	ug/Kg	1	32	110
Fluoranthene	[65]	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	[66]	ug/Kg	1	36	120
Benzo[e]pyrene	ND	ug/Kg	1	38	130
2-Fluorophenol (SURR**)	55%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	59%				
2-Fluorobiphenyl (SURR**)	61%				
2,4,6-Tribromophenol (SURR**)	78%				
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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370641 **Soil, NSP-SE-9-1B-0505** **Collected: 05/12/05** **Analyzed: 05/22/05 -**

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	[85]	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	[78]	ug/Kg	1	36	120
Benzo[e]pyrene	ND	ug/Kg	1	38	130
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	85%				
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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370642 **Soil, NSP-SE-26-1A-0505** **Collected: 05/13/05** **Analyzed: 05/22/05 -**

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**)	67%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	62%				

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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370643 **Soil, NSP-SE-10-2C-0505** **Collected: 05/13/05** **Analyzed: 05/22/05 -**

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**)	67%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	54%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370644 **Soil, NSP-SE-10-1A-0505** **Collected: 05/13/05** **Analyzed: 05/23/05 -**

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	680	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**)	62%				
Phenol-d5 (SURR**)	69%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	59%				

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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370645 **Soil, NSP-SE-5-2A-0505** **Collected: 05/13/05** **Analyzed: 05/22/05 -**

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-Methy phenol	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**)	65%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	58%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370646 **Soil, NSP-SE-13-1A-0505** **Collected: 05/13/05** **Analyzed: 05/22/05 -**

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**)	65%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	58%				

Additional non-target compounds present.

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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370647 **Soil, NSP-SE-15-1A-0505** **Collected: 05/13/05** **Analyzed: 05/22/05 -**

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**)	67%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	57%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370648 **Soil, NSP-SE-4-1A-0505** **Collected: 05/13/05** **Analyzed: 05/22/05 -**

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	480	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**)	65%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	55%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	49%				

Additional non-target compounds present.

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: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370649 **Soil, NSP-SE-25-1A-0505** **Collected: 05/13/05** **Analyzed: 05/22/05 -**

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	190	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**)	65%				
Nitrobenzene-d5 (SURR**)	62%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	60%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 89476**
Project Description: Ashland NSP/Lakefront 25688375
Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370650 **Soil, NSP-SE-5-1B-0505** **Collected: 05/13/05** **Analyzed: 05/22/05 -**

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**)	69%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	63%				

Additional non-target compounds present.

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: 89476**

Project Description: Ashland NSP/Lakefront 25688375

Project Title: **Template: 8270SNSP** **Printed: 05/24/2005 12:54**

Sample: 370651 **Soil, NSP-SE-4-2B-0505** **Collected: 05/13/05** **Analyzed: 05/23/05 -**

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**)	65%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	58%				

Additional non-target compounds present.

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.

Environmental Chemistry Consulting Services, Inc.

2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

No. 010471

Page 1 of 1

Project Number: 2199	Mail Report To:	Turn Around (circle one) Normal Rush
Project Name: Ashland/NSP Superfund	Company:	Report Due: ASAP
Project Location: Ashland, WI	Address:	Invoice To:
Sampled By (Print): G. Long; N. Rosworth		Company:
		Address:
		P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
NSP-SE-1-2A-0505	5/10/05	13:00	SE	1	ICE	USEPA 8270 - TOTAL PAHs		
NSP-SE-1-4A-0505		13:11	SE	1				
NSP-SE-1-5A-0505		13:53	SE	1				
NSP-SE-1-5C-0505		14:02	SE	1				
NSP-SE-1-6A-0505		14:19	SE	1				
NSP-SE-1-7B-0505		13:28	SE	1				
NSP-SE-1-8B-0505		13:41	SE	1				
NSP-SE-1-9A-0505	5/10/05	14:33	SE	1	ICE	USEPA 8270 - TOTAL PAHs		

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Gary L Long	Date/Time: 5/10/05 17:43	Received By:	Date/Time: 5/10/05 17:43
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Hand Delivery

Receipt Temp:
Temp Blank Y N

WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

No. 010478 *

Page 1 of 1

Project Number:	Mail Report To:	Turn Around (circle one) Normal Rush
Project Name: Ashland/NSP Lakefront	Company:	Report Due: Next
Project Location: Ashland, WI	Address:	Invoice To:
Sampled By (Print): G. Long, M. Bochniak		Company:
		Address:
		P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
NSP-SE-1-10C-0505	5/11/05	11:30	SE	1	ICE	8270 TOTAL PAHs		9
NSP-SE-2-1A-0505	"	11:07	"	1	"	"		10
NSP-SE-2-1A-0505	"	10:56	"	1	"	"		11
NSP-SE-9-1A-0505	5/11/05	08:19	SE	1	ICE	8270 TOTAL PAHs		12

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By: Thomas R Long	Date/Time: 5/11/05 13:10	Received By: M Sauer	Date/Time: 13:10 5/11/05
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via: HAND DELIVERY

Receipt Temp:
Temp Blank Y N

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Environmental Chemistry Consulting Services, Inc.

2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY No. 010479

Page 1 of 1

Turn Around (circle one) Normal Rush
Report Due: ASAP

Project Number:	Mail Report To:	Invoice To:
Project Name: Appleton NSP/Lawsuit	Company:	Company:
Project Location: Appleton, WI	Address:	Address:
Sampled By (Print): G. Lurk, W. Forsmith		P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
NSP-SE-1-13A-0505	5/12/05	08 17	SE	1	ICE	8270 PAHs		
NSP-SE-1-11C-0505	5/12/05	08 05		1				
NSP-SE-1-12A-0505	5/12/05	08 40		1				
NSP-SE-1-15C-0505	5/12/05	09 54		1				
NSP-SE-1-15A-0505	5/12/05	09 34	SE	1	ICE	8270 PAHs		

*Preservation Code
A=None B=HCL C=H2SO4
D=HNO3 E=EnCore F=Methanol
G=NaOH O=Other(Indicate)

Relinquished By:	Date/Time: 5/12/05 10 34	Received By:	Date/Time: 10:47 5/12/05
Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Hand Delivery
Receipt Temp:
Temp Blank Y N

WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road Madison, WI 53718
Phone 608-221-8700 FAX 608-221-4889

CHAIN OF CUSTODY

No. 010480 *

Page 1 of 1

Project Number:	Mail Report To:	Turn Around (circle one) Normal Rush
Project Name: ASHLAND NSP/LAKEFRONT	Company:	Report Due: ASAP
Project Location: ASHLAND WI	Address:	Invoice To:
Sampled By (Print): G. LUNG; W. FOLSWORTH		Company:
		Address:
		P.O. No.: Quote No.:

Sample Description	Collection Date	Collection Time	Matrix	Total Bottles	Preserv*	Analysis Requested	Comments	Laboratory Number
NSP-SE-1-126-0-05	5/13/05	07	SE	1	ICE	70 PAHs		18

*Preservation Code	Relinquished By:	Date/Time:	Received By:	Date/Time:
A=None B=HCL C=H2SO4	[signature]	5/13/05 15:20	[signature]	5/13/05 8:30
D=HNO3 E=EnCore F=Methanol G=NaOH O=Other(Indicate)	Relinquished By:	Date/Time:	Received By:	Date/Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s

Shipped Via: [illegible]

Receipt Temp:

Temp Blank Y N

WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER

SAMP COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

CLIENT: URS CORPORATION	
ADDRESS: 10200 INNOVATION DR; SUITE 500	
CITY: MILWAUKEE	STATE: WI ZIP: 53226
PROJECT DESCRIPTION / NO.: ASHLAND NSP/LAKEFRONT	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT: PAUL SKLAR	PHONE: 414 831 7100
PURCHASE ORDER NO.	FAX: 414 831 7181

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 71712

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS	TOTAL SUSP SOLIDS	TURBIDITY	PAHs	COLLECTION REMARKS (i.e. DNR Well ID #)
1.		NSP-SW-ADCP2-0505	5/11/05	0746	SW		X	X		2 BOTTLES
2.		NSP-SW-ADCP4-0505	5/11/05	0746	SW		X	X		2 BOTTLES
3.		NSP-SW-ADCP6-0505	5/11/05	0746	SW		X	X		2 BOTTLES
4.		NSP-SW-ADUP-0505	5/11/05	~~0746~~ 0837	SW		X	X		2 BOTTLES
5.		NSP-SW-ADCP2B-0505	5/11/05	1238	SW		X	X		2 BOTTLES
6.		NSP-SW-ADCP4B-0505	5/11/05	1229	SW		X	X		2 BOTTLES
7.		NSP-SW-ADCP6B-0505	5/11/05	1238	SW		X	X		2 BOTTLES
8.		NSP-SW-ADUPB-0505	5/11/05	1217	SW		X	X		2 BOTTLES
9.		NSP-SE-1-7A-0505-NLS	5/10/05	1432	SED				X	CONFIRMATION
10.		NSP-SE-1-13A-0505-NLS	5/12/05	0920	SED				X	CONFIRMATION

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

COLLECTED BY (signature): Gary Eng	CUSTODY SEAL NO. (IF ANY): —	DATE/TIME: 5/13/05
RELINQUISHED BY (signature): Gary Eng	RECEIVED BY (signature):	DATE/TIME: 5/14/05 ; 0900
DISPATCHED BY (signature): Gary Eng	METHOD OF TRANSPORT: HAND DELIVERY	DATE/TIME: 5/14/05 ; 0900

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO
ATTN: PAUL SKLAR
URS CORPORATION

INVOICE TO
URS CORPORATION

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 71713

CLIENT	UES CORPORATION
ADDRESS	10700 INNOVATION DR, SUITE 500
CITY / STATE / ZIP	MILWAUKEE / WI / 53226
PROJECT DESCRIPTION / NO.	ASHLAND NSP / LAKE FRONT
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL SKLAR
PHONE	414 871 4100
PURCHASE ORDER NO.	
FAX	414 871 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: 17 PAHs	TAL ME TALS	PCBs/PESTICIDES									COLLECTION REMARKS (i.e. DNR Well ID #)
1.		NSP-SE-1-15C-0505-NLS	5/12/05	0957	SED	X											CONFIRMATION
2.		NSP-SE-21-1C-0505	5/12/05	1238	SED	X	X	X									3 BOTTLES
3.		NSP-SE-21-1A-0505	5/12/05	1430	SED	X	X	X									3 BOTTLES
4.		NSP-SE-8-1C-0505	5/12/05	1130	SED	X	X	X									3 BOTTLES
5.		NSP-SE-22-1B-0505	5/12/05	1300	SED	X	X	X									3 BOTTLES
6.		NSP-SE-20-1B-0505	5/12/05	1220	SED	X	X	X									3 BOTTLES
7.		NSP-SE-23-1B-0505	5/12/05	1400	SED	X	X	X									3 BOTTLES
8.		NSP-SE-11-1C-0505	5/12/05	0805	SED	X	X	X									3 BOTTLES
9.		NSP-SE-2-2B-0505	5/12/05	1200	SED	X	X	X									3 BOTTLES
10.		NSP-SE-9-1B-0505	5/12/05	1440	SED	X	X	X									3 BOTTLES

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 5/13/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 5/14/05 0900
DISPATCHED BY (signature)	METHOD OF TRANSPORT: HAND DELIVERY	DATE/TIME 5/14/05 0900

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION / TEMP.
COOLER #	REMARKS & OTHER INFORMATION	
	WDNR FACILITY NUMBER	E-MAIL ADDRESS

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

REPORT TO
ATTN: PAUL SKLAR
UES CORPORATION

INVOICE TO
UES CORPORATION

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

CLIENT COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NO. 71714

CLIENT	UE CORPORATION
ADDRESS	10700 INNOVATION DR; STE 400
CITY / STATE / ZIP	MILWAUKEE / WI / 53226
PROJECT DESCRIPTION / NO.	ASHLAND NSP/L. WATERFRONT
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL MILLER
PHONE	414 831 4100
PURCHASE ORDER NO.	
FAX	414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: Fe/Mn	TAL Metals	PCBs / Pesticides	COLLECTION REMARKS (i.e. DNR Well ID #)
1.		NSP-SE-2G-1A-0505	5/12/05	11[illegible]	SED	X	X	X	3 BOTTLES
2.		NSP SE-10-2C-0505	5/13/05	1404	SED	X	X	X	3 BOTTLES
3.		NSP-SE 10-1A-0505	5/13/05	1310	SED	X	X	X	3 BOTTLES
4.		NSP-SE-5-2A-0505	5/13/05	1116	SED	X	X	X	3 BOTTLES
5.		NSP-SE-14-1A-0505	5/13/05	1457	SED	X	X	X	3 BOTTLES
6.		NSP-SE-15-1A-0505	5/12/05	0900	SED	X	X	X	3 BOTTLES
7.		NSP-SE-4-1A-0505	5/12/05	1013	SED	X	X	X	3 BOTTLES
8.		NSP-SE-25-1A-0505	5/12/05	0930	SED	X	X	X	3 BOTTLES
9.		NSP-SE-5-1B-0505	5/12/05	1103	SED	X	X	X	3 BOTTLES
10.		NSP-SE-4-2B-0505	5/12/05	10[illegible]	SED	X	X	X	3 BOTTLES

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 5/13/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 5/14/05 ; 0900
DISPATCHED BY (signature)	METHOD OF TRANSPORT: HAND DELIVERED	DATE/TIME 5/14/05 ; 0900

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO
ATTN: PAUL MILLER
UE CORPORATION

INVOICE TO
UE CORPORATION

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
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4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

CLIENT COPY

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: 90402
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Surface Water & Equipment Blanks

NSP-SE-SQField Blank-01-0605 NLS ID: 375121
Ref. Line 1 COC 77061 NSP-SE-SQField Blank-01-0605 Matrix: MS
Collected: 06/16/05 08:00 Received: 06/17/05

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, 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	[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	07/05/05	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	0.37	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					06/20/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					06/24/05	SW846 8270C	721026460

NSP-SE-SQEQPT Blank-06-0605 NLS ID: 375122
Ref. Line 2 COC 77061 NSP-SE-SQEQPT Blank-06-0605 Matrix: MS
Collected: 06/16/05 07:15 Received: 06/17/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
8270 Acid/Base Extraction by 3510C	yes					06/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					06/24/05	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: 90402
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 Ashland Surface Water & Equipment Blanks

NSP-SQ-EQPT Blank-05-0605 NLS ID: 375123
Ref. Line 3 COC 77061 NSP-SQ-EQPT Blank-05-0605 Matrix: MS
Collected: 06/15/05 10:40 Received: 06/17/05

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, 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	[1.7]	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	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	[2.0]	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	0.39	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					06/20/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					06/24/05	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: 90402
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Surface Water & Equipment Blanks

NSP-SQ-EQPT Blank-04-0605 NLS ID: 375124
Ref. Line 4 COC 77061 NSP-SQ-EQPT Blank-04-0605 Matrix: MS
Collected: 06/14/05 15:33 Received: 06/17/05

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, tot. recoverable as Cr by ICP-Trace	1.6	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	[2.5]	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	[0.054]	mg/L	1	0.033	0.10	07/06/05	SW846 6010	721026460
	The CCB had an iron concentration between the MDL and LOQ at 0.006 mg/L.							
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	8.4	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	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	[2.0]	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	0.18	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	13	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					06/20/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					06/24/05	SW846 8270C	721026460

NSP-SW- ADCP2-0605 NLS ID: 375125
Ref. Line 5 COC 77061 NSP-SW- ADCP2-0605 Matrix: SW
Collected: 06/13/05 15:40 Received: 06/17/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	2.0	mg/L	1	1.0*		06/20/05	EPA 160.2	721026460
Turbidity, Lab	2.9	NTU	1	0.50*		06/20/05	EPA 180.1	721026460

NSP-SW- ADCP4-0605 NLS ID: 375126
Ref. Line 6 COC 77061 NSP-SW- ADCP4-0605 Matrix: SW
Collected: 06/13/05 15:42 Received: 06/17/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	2.0	mg/L	1	1.0*		06/20/05	EPA 160.2	721026460
Turbidity, Lab	2.5	NTU	1	0.50*		06/20/05	EPA 180.1	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: 90402
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 Ashland Surface Water & Equipment Blanks

NSP-SW- ADCP6-0605 NLS ID: 375127
Ref. Line 7 COC 77061 NSP-SW- ADCP6-0605 Matrix: SW
Collected: 06/13/05 15:44 Received: 06/17/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	2.0	mg/L	1	1.0*		06/20/05	EPA 160.2	721026460
Turbidity, Lab	3.6	NTU	1	0.50*		06/20/05	EPA 180.1	721026460

NSP-SW- ADV-0605 NLS ID: 375128
Ref. Line 8 COC 77061 NSP-SW- ADV-0605 Matrix: SW
Collected: 06/13/05 15:46 Received: 06/17/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, tot. susp. (TSS)	4.0	mg/L	1	1.0*		06/20/05	EPA 160.2	721026460
Turbidity, Lab	5.0	NTU	1	0.50*		06/20/05	EPA 180.1	721026460

NSP-SE-SQTripBlank-0605 NLS ID: 375129
Ref. Line 9 COC 77061 NSP-SE-SQTripBlank-0605 Matrix: TB
Collected: 06/10/05 08:00 Received: 06/17/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					06/20/05	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: 90402**

Project Description: Xcel Ashland Surface Water & Equipment Blanks

Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:29**

Sample: 375121 **NSP-SE-SQField Blank-01-0605** **Collected: 06/16/05** **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
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**)	77%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	75%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90402**

Project Description: Xcel Ashland Surface Water & Equipment Blanks

Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:29**

Sample: 375122 **NSP-SE-SQEQPT Blank-06-0605** **Collected: 06/16/05** **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
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**)	74%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	70%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90402**
Project Description: Xcel Ashland Surface Water & Equipment Blanks
Project Title: **Template: 8270WNSP Printed: 10/10/2005 11:29**

Sample: 375123 NSP-SQ-EQPT Blank-05-0605 **Collected: 06/15/05** **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
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**)	71%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	67%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90402**

Project Description: Xcel Ashland Surface Water & Equipment Blanks

Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:29**

Sample: 375124 **NSP-SQ-EQPT Blank-04-0605** **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
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**)	49%				
Phenol-d5 (SURR**)	32%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	71%				

** 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: 90402**
Project Description: Xcel Ashland Surface Water & Equipment Blanks
Project Title: **Template: SAT2NSP Printed: 10/10/2005 11:29**

Sample: 375121 NSP-SE-SQField Blank-01-0605 **Collected: 06/16/05** **Analyzed: 06/20/05 -**

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	1.2	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**)	91%				
1-Bromo-4-Fluorobenzene (SURR**)	88%				

Sample: 375123 NSP-SQ-EQPT Blank-05-0605 **Collected: 06/15/05** **Analyzed: 06/20/05 -**

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	[0.52]	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**)	90%				
1-Bromo-4-Fluorobenzene (SURR**)	91%				

Sample: 375124 NSP-SQ-EQPT Blank-04-0605 **Collected: 06/14/05** **Analyzed: 06/20/05 -**

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**)	90%				
Toluene-d8 (SURR**)	94%				
1-Bromo-4-Fluorobenzene (SURR**)	88%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90402**

Project Description: Xcel Ashland Surface Water & Equipment Blanks

Project Title: **Template: SAT2NSP** **Printed: 10/10/2005 11:29**

Sample: 375129 **NSP-SE-SQTripBlank-0605** **Collected: 06/10/05** **Analyzed: 06/20/05 -**

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**)	96%				
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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT1-0605-D NLS ID: 375444
Ref. Line 1 COC 77075 Soil, NSP-SE-SQT1-0605-D Matrix: SO
Collected: 06/19/05 09:15 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	9.0	33	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.5	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.2	4.4	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.1	mg/Kg DWB	1	0.21	0.43	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.19	mg/Kg DWB	1	0.043	0.15	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.32	1.2	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	690	mg/Kg DWB	10	64	130	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.2	mg/Kg DWB	1	0.64	2.3	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.4]	mg/Kg DWB	1	0.60	2.1	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.7	mg/Kg DWB	1	0.25	0.94	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.4	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4500	mg/Kg DWB	10	12	44	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.9	25	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	540	mg/Kg DWB	10	64	130	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	40	mg/Kg DWB	1	0.14	0.43	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.071	0.25	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.0]	mg/Kg DWB	1	1.5	5.4	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	15	56	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.4	5.0	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.62	2.2	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	24	mg/Kg DWB	1	1.4	5.1	07/16/05	SW846 6010	721026460
Solids, total on solids	73.9	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.8	6.5	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	13	mg/Kg DWB	1	0.37	1.4	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	11	mg/Kg DWB	1	0.29	0.85	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT1-0605-E NLS ID: 375445
Ref. Line 2 COC 77075 Soil, NSP-SE-SQT1-0605-E Matrix: SO
Collected: 06/19/05 09:30 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	8.4	31	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.6	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.9]	mg/Kg DWB	20	1.3	4.5	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	6.2	mg/Kg DWB	1	0.20	0.40	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.040	0.14	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.30	1.1	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	640	mg/Kg DWB	10	60	120	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.3	mg/Kg DWB	1	0.60	2.1	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.6]	mg/Kg DWB	1	0.56	2.0	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.5	mg/Kg DWB	1	0.24	0.88	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.5	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5100	mg/Kg DWB	10	11	42	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.5	24	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	530	mg/Kg DWB	10	60	120	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	42	mg/Kg DWB	1	0.13	0.40	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	[0.095]	mg/Kg DWB	1	0.072	0.25	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.7]	mg/Kg DWB	1	1.4	5.1	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	130	mg/Kg DWB	1	14	52	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.5	5.1	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.58	2.1	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	22	mg/Kg DWB	1	1.3	4.8	07/16/05	SW846 6010	721026460
Solids, total on solids	73.5	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.9	6.7	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	15	mg/Kg DWB	1	0.35	1.3	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	8.0	mg/Kg DWB	1	0.27	0.80	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT01-0605-A NLS ID: 375446
Ref. Line 3 COC 77075 Soil, NSP-SE-SQT01-0605-A Matrix: SO
Collected: 06/29/05 08:30 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1000	mg/Kg DWB	1	7.8	29	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.4	4.8	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.1	3.8	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	5.7	mg/Kg DWB	1	0.19	0.37	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.041]	mg/Kg DWB	1	0.037	0.13	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.28	1.0	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	600	mg/Kg DWB	10	56	110	07/19/05	SW846 6010	721026460
Chromium, tot recoverable as Cr by ICP	4.6	mg/Kg DWB	1	0.56	2.0	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.8]	mg/Kg DWB	1	0.52	1.8	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.4	mg/Kg DWB	1	0.22	0.82	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.7	5.2	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4800	mg/Kg DWB	10	10	39	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.1	22	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	440	mg/Kg DWB	10	56	110	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	38	mg/Kg DWB	1	0.12	0.37	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.069	0.24	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.0]	mg/Kg DWB	1	1.3	4.7	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	97	mg/Kg DWB	1	13	49	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.4	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.54	1.9	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	30	mg/Kg DWB	1	1.2	4.5	07/16/05	SW846 6010	721026460
Solids, total on solids	76.6	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.6	5.7	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	14	mg/Kg DWB	1	0.33	1.2	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	9.5	mg/Kg DWB	1	0.25	0.75	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT1-0605-C NLS ID: 375447
Ref. Line 4 COC 77075 Soil, NSP-SE-SQT1-0605-C Matrix: SO
Collected: 06/19/05 09:00 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	7.2	27	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.8	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.3	4.6	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.1	mg/Kg DWB	1	0.17	0.34	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	2	0.068	0.24	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.25	0.92	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	680	mg/Kg DWB	10	51	100	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	2.0	mg/Kg DWB	1	0.51	1.8	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.5]	mg/Kg DWB	1	0.48	1.7	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	7.2	mg/Kg DWB	1	0.20	0.75	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.5	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4800	mg/Kg DWB	10	9.6	36	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.5	20	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	580	mg/Kg DWB	10	51	100	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	41	mg/Kg DWB	1	0.11	0.34	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.073	0.26	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.4]	mg/Kg DWB	1	1.2	4.3	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	12	45	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.5	5.2	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.50	1.8	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	27	mg/Kg DWB	1	1.1	4.1	07/16/05	SW846 6010	721026460
Solids, total on solids	72.1	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.9	6.8	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	14	mg/Kg DWB	1	0.30	1.1	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	11	mg/Kg DWB	1	0.23	0.68	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQDUP09-0605-DUP NLS ID: 375448
Ref. Line 5 COC 77075 Soil, NSP-SE-SQDUP09-0605-DUP Matrix: SO
Collected: 06/19/05 09:05 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	8.4	31	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.3	4.8	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.1	3.8	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	8.4	mg/Kg DWB	1	0.20	0.40	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	2	0.080	0.28	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.29	1.1	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	740	mg/Kg DWB	10	60	120	07/19/05	SW846 6010	721026460
Chromium, tot recoverable as Cr by ICP	5.7	mg/Kg DWB	1	0.60	2.1	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	2.2	mg/Kg DWB	1	0.56	1.9	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	7.3	mg/Kg DWB	1	0.23	0.88	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.5	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5600	mg/Kg DWB	10	11	41	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.4	23	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	560	mg/Kg DWB	10	60	120	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	45	mg/Kg DWB	1	0.13	0.40	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.072	0.26	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.9]	mg/Kg DWB	1	1.4	5.1	07/18/05	SW846 6010	721026460
Potassium, tot recoverable as K by ICP	140	mg/Kg DWB	1	14	52	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.3	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.58	2.1	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	27	mg/Kg DWB	1	1.3	4.8	07/16/05	SW846 6010	721026460
Solids, total on solids	72.8	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.6	5.6	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	16	mg/Kg DWB	1	0.35	1.3	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	13	mg/Kg DWB	1	0.27	0.80	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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

NLS Project: 90463
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 Sediment Samples

Soil, NSP-SE-SQTI-0605-B NLS ID: 375449
Ref. Line 6 COC 77075 Soil, NSP-SE-SQTI-0605-B Matrix: SO
Collected: 06/19/05 08:45 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1100	mg/Kg DWB	1	8.3	31	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.4	4.8	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.6]	mg/Kg DWB	20	1.1	3.8	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	6.2	mg/Kg DWB	1	0.20	0.40	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.048]	mg/Kg DWB	1	0.040	0.14	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.29	1.1	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	1000	mg/Kg DWB	10	60	120	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	4.4	mg/Kg DWB	1	0.60	2.1	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.9]	mg/Kg DWB	1	0.56	1.9	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	6.1	mg/Kg DWB	1	0.23	0.87	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.9	5.6	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4700	mg/Kg DWB	10	11	41	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.4	23	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	530	mg/Kg DWB	10	60	120	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	40	mg/Kg DWB	1	0.13	0.40	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.074	0.26	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.7]	mg/Kg DWB	1	1.4	5.0	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	14	52	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.4	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.58	2.1	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	30	mg/Kg DWB	1	1.3	4.8	07/16/05	SW846 6010	721026460
Solids, total on solids	70.8	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.6	5.7	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.35	1.3	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	10	mg/Kg DWB	1	0.27	0.79	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SQT2-0605-B NLS ID: 375450
Ref. Line 7 COC 77075 Soil, NSP-SQT2-0605-B Matrix: SO
Collected: 06/19/05 14:00 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1400	mg/Kg DWB	1	15	58	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.7	9.7	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.9]	mg/Kg DWB	20	2.2	7.7	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	35	mg/Kg DWB	1	0.37	0.74	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.074	0.26	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.55	2.0	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	6300	mg/Kg DWB	10	110	220	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	4.4	mg/Kg DWB	1	1.1	3.9	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[2.6]	mg/Kg DWB	1	1.0	3.6	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	65	mg/Kg DWB	1	0.44	1.6	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.2	9.5	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5100	mg/Kg DWB	10	21	77	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	12	44	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	790	mg/Kg DWB	10	110	220	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	84	mg/Kg DWB	1	0.24	0.74	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	[0.12]	mg/Kg DWB	1	0.075	0.27	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[5.9]	mg/Kg DWB	1	2.6	9.4	07/18/05	SW846 6010	721026460
Potassium, tot recoverable as K by ICP	170	mg/Kg DWB	1	27	97	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.5	8.8	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	3.8	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	34	mg/Kg DWB	1	2.4	8.8	07/16/05	SW846 6010	721026460
Solids, total on solids	42.2	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.2	11	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	11	mg/Kg DWB	1	0.64	2.4	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	43	mg/Kg DWB	1	0.49	1.5	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT2-0605-A NLS ID: 375451
Ref. Line 8 COC 77075 Soil, NSP-SE-SQT2-0605-A Matrix: SO
Collected: 06/19/05 13:45 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1300	mg/Kg DWB	1	21	79	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.4	12	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.0]	mg/Kg DWB	20	2.7	9.5	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	46	mg/Kg DWB	1	0.51	1.0	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.10	0.35	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.75	2.7	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	8400	mg/Kg DWB	10	150	300	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[2.5]	mg/Kg DWB	1	1.5	5.4	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[4.1]	mg/Kg DWB	1	1.4	5.0	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	72	mg/Kg DWB	1	0.60	2.2	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.5	13	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	6600	mg/Kg DWB	10	28	110	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	16	60	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	690	mg/Kg DWB	10	150	300	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	97	mg/Kg DWB	1	0.33	1.0	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.075	0.27	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[6.0]	mg/Kg DWB	1	3.5	13	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	[120]	mg/Kg DWB	1	36	130	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.1	11	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.5	5.3	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	38	mg/Kg DWB	1	3.3	12	07/16/05	SW846 6010	721026460
Solids, total on solids	29.9	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	[4.1]	mg/Kg DWB	20	4.0	14	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	11	mg/Kg DWB	1	0.88	3.2	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	50	mg/Kg DWB	1	0.68	2.0	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT9-0605-A NLS ID: 375452
Ref. Line 9 COC 77075 Soil, NSP-SE-SQT9-0605-A Matrix: SO
Collected: 06/18/05 14:55 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	750	mg/Kg DWB	1	12	45	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.8	6.5	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.8]	mg/Kg DWB	20	1.5	5.2	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	12	mg/Kg DWB	1	0.29	0.57	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.057	0.20	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.42	1.6	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	260	mg/Kg DWB	10	86	170	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.0]	mg/Kg DWB	1	0.86	3.0	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.80	2.8	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	3.2	mg/Kg DWB	1	0.34	1.3	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.3	9.9	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	210	mg/Kg DWB	10	16	60	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	9.3	34	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	ND	mg/Kg DWB	10	86	170	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	35	mg/Kg DWB	1	0.19	0.57	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.078	0.28	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	2.0	7.3	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	160	mg/Kg DWB	1	21	75	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.7	5.9	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.83	3.0	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	29	mg/Kg DWB	1	1.9	6.9	07/16/05	SW846 6010	721026460
Solids, total on solids	40.5	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.2	7.7	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	5.9	mg/Kg DWB	1	0.50	1.8	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	7.9	mg/Kg DWB	1	0.38	1.1	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90463
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT9-0605-D NLS ID: 375453
Ref. Line 10 COC 77075 Soil, NSP-SE-SQT9-0605-D Matrix: SO
Collected: 06/18/05 15:35 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	920	mg/Kg DWB	1	16	58	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.7	9.4	07/19/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.2]	mg/Kg DWB	20	2.1	7.5	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	12	mg/Kg DWB	1	0.37	0.74	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.074	0.26	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.55	2.0	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	2300	mg/Kg DWB	10	110	220	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.8]	mg/Kg DWB	1	1.1	3.9	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	1.0	3.6	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.7	mg/Kg DWB	1	0.44	1.6	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.5	11	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	2300	mg/Kg DWB	10	21	77	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	12	44	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	290	mg/Kg DWB	10	110	220	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	34	mg/Kg DWB	1	0.25	0.74	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.083	0.30	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[5.4]	mg/Kg DWB	1	2.6	9.4	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	27	97	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.5	8.5	07/19/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	3.9	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	22	mg/Kg DWB	1	2.5	8.9	07/16/05	SW846 6010	721026460
Solids, total on solids	37.9	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.1	11	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	6.8	mg/Kg DWB	1	0.65	2.4	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	8.5	mg/Kg DWB	1	0.50	1.5	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/27/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/17/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:29**

Sample: 375444 **Soil, NSP-SE-SQT1-0605-D** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	74000	ug/Kg	100	3200	11000
Acenaphthylene	[3500]	ug/Kg	100	3100	10000
Anthracene	21000	ug/Kg	100	3800	13000
Benzo[a]anthracene	12000	ug/Kg	100	3400	11000
Benzo[a]pyrene	11000	ug/Kg	100	3400	11000
Benzo[b]fluoranthene	[8000]	ug/Kg	100	3800	13000
Benzo[g,h,i]perylene	[4900]	ug/Kg	100	3300	11000
Benzo[k]fluoranthene	ND	ug/Kg	100	3800	13000
Chrysene	[11000]	ug/Kg	100	3600	12000
Dibenzo[a,h]anthracene	ND	ug/Kg	100	3400	11000
Dibenzofuran	ND	ug/Kg	100	3200	11000
Fluoranthene	32000	ug/Kg	100	3700	12000
Fluorene	26000	ug/Kg	100	3200	11000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	100	3100	10000
1-Methylnaphthalene	60000	ug/Kg	100	3200	11000
2-Methylnaphthalene	100000	ug/Kg	100	3100	10000
2-Methylphenol	ND	ug/Kg	100	2600	8700
3 & 4-Methylphenol	ND	ug/Kg	100	5500	19000
Naphthalene	130000	ug/Kg	100	3100	10000
Phenanthrene	95000	ug/Kg	100	3700	12000
Phenol	ND	ug/Kg	100	2800	9400
Pyrene	49000	ug/Kg	100	3600	12000
Benzo[e]pyrene	[6200]	ug/Kg	100	3800	13000
Biphenyl	15000	ug/Kg	100	3000	13000
2,6-Dimethylnaphthalene	33000	ug/Kg	100	4100	14000
2,3,5-Trimethylnaphthalene	[4900]	ug/Kg	100	3500	12000
1-Methylphenanthrene	[8300]	ug/Kg	100	3900	13000
Perylene	ND	ug/Kg	100	5400	18000
2-Fluorophenol (SURR**)	130%				
Phenol-d5 (SURR**)	132%				
Nitrobenzene-d5 (SURR**)	135%				
2-Fluorobiphenyl (SURR**)	159%				
2,4,6-Tribromophenol (SURR**)	112%				
Terphenyl-d14 (SURR**)	154%				

10 mL final extract volume.
High surrogate recoveries are due to sample matrix.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375445 **Soil, NSP-SE-SQT1-0605-E** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	120000	ug/Kg	100	3200	11000
Acenaphthylene	[5800]	ug/Kg	100	3100	10000
Anthracene	36000	ug/Kg	100	3800	13000
Benzo[a]anthracene	21000	ug/Kg	100	3400	11000
Benzo[a]pyrene	20000	ug/Kg	100	3400	11000
Benzo[b]fluoranthene	14000	ug/Kg	100	3800	13000
Benzo[g,h,i]perylene	[8400]	ug/Kg	100	3300	11000
Benzo[k]fluoranthene	ND	ug/Kg	100	3800	13000
Chrysene	20000	ug/Kg	100	3600	12000
Dibenzo[a,h]anthracene	ND	ug/Kg	100	3400	11000
Dibenzofuran	[5100]	ug/Kg	100	3200	11000
Fluoranthene	55000	ug/Kg	100	3700	12000
Fluorene	44000	ug/Kg	100	3200	11000
Indeno[1,2,3-cd]pyrene	[6100]	ug/Kg	100	3100	10000
1-Methylnaphthalene	98000	ug/Kg	100	3200	11000
2-Methylnaphthalene	160000	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	160000	ug/Kg	100	3700	12000
Phenol	ND	ug/Kg	100	2800	9400
Pyrene	85000	ug/Kg	100	3600	12000
Benzo[e]pyrene	[11000]	ug/Kg	100	3800	13000
Biphenyl	25000	ug/Kg	100	3000	13000
2,6-Dimethylnaphthalene	56000	ug/Kg	100	4100	14000
2,3,5-Trimethylnaphthalene	[6700]	ug/Kg	100	3500	12000
1-Methylphenanthrene	14000	ug/Kg	100	3900	13000
Perylene	ND	ug/Kg	100	5400	18000
2-Fluorophenol (SURR**)	85%				
Phenol-d5 (SURR**)	88%				
Nitrobenzene-d5 (SURR**)	91%				
2-Fluorobiphenyl (SURR**)	108%				
2,4,6-Tribromophenol (SURR**)	69%				
Terphenyl-d14 (SURR**)	100%				

10 mL final extract volume.

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375446 **Soil, NSP-SE-SQT01-0605-A** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	6700	ug/Kg	10	320	1100
Acenaphthylene	ND	ug/Kg	10	310	1000
Anthracene	1900	ug/Kg	10	380	1300
Benzo[a]anthracene	1300	ug/Kg	10	340	1100
Benzo[a]pyrene	1200	ug/Kg	10	340	1100
Benzo[b]fluoranthene	[940]	ug/Kg	10	380	1300
Benzo[g,h,i]perylene	[520]	ug/Kg	10	330	1100
Benzo[k]fluoranthene	ND	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	3200	ug/Kg	10	370	1200
Fluorene	2300	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	10	310	1000
1-Methylnaphthalene	5200	ug/Kg	10	320	1100
2-Methylnaphthalene	8600	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	11000	ug/Kg	10	310	1000
Phenanthrene	8900	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	5000	ug/Kg	10	360	1200
Benzo[e]pyrene	[690]	ug/Kg	10	380	1300
Biphenyl	1300	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	2900	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	[790]	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	83%				
Phenol-d5 (SURR**)	83%				
Nitrobenzene-d5 (SURR**)	82%				
2-Fluorobiphenyl (SURR**)	92%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	89%				

10 mL final extract volume.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375447 **Soil, NSP-SE-SQT1-0605-C** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	28000	ug/Kg	25	810	2700
Acenaphthylene	[1300]	ug/Kg	25	770	2600
Anthracene	8500	ug/Kg	25	960	3200
Benzo[a]anthracene	5200	ug/Kg	25	860	2900
Benzo[a]pyrene	4800	ug/Kg	25	850	2800
Benzo[b]fluoranthene	3500	ug/Kg	25	940	3100
Benzo[g,h,i]perylene	[2000]	ug/Kg	25	810	2700
Benzo[k]fluoranthene	[1400]	ug/Kg	25	950	3200
Chrysene	4800	ug/Kg	25	890	3000
Dibenzo[a,h]anthracene	ND	ug/Kg	25	850	2800
Dibenzofuran	[1300]	ug/Kg	25	790	2600
Fluoranthene	13000	ug/Kg	25	940	3100
Fluorene	10000	ug/Kg	25	810	2700
Indeno[1,2,3-cd]pyrene	[1400]	ug/Kg	25	780	2600
1-Methylnaphthalene	21000	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	36000	ug/Kg	25	770	2600
Phenanthrene	37000	ug/Kg	25	920	3100
Phenol	ND	ug/Kg	25	700	2300
Pyrene	20000	ug/Kg	25	890	3000
Benzo[e]pyrene	[2700]	ug/Kg	25	950	3200
Biphenyl	5500	ug/Kg	25	750	3200
2,6-Dimethylnaphthalene	13000	ug/Kg	25	1000	3400
2,3,5-Trimethylnaphthalene	[1900]	ug/Kg	25	880	2900
1-Methylphenanthrene	3200	ug/Kg	25	970	3200
Perylene	ND	ug/Kg	25	1300	4500
2-Fluorophenol (SURR**)	83%				
Phenol-d5 (SURR**)	82%				
Nitrobenzene-d5 (SURR**)	81%				
2-Fluorobiphenyl (SURR**)	94%				
2,4,6-Tribromophenol (SURR**)	71%				
Terphenyl-d14 (SURR**)	90%				

10 mL final extract volume.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375448 **Soil, NSP-SE-SQDUP09-0605-DUP** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	44000	ug/Kg	50	1600	5400
Acenaphthylene	[2100]	ug/Kg	50	1500	5100
Anthracene	13000	ug/Kg	50	1900	6400
Benzo[a]anthracene	7800	ug/Kg	50	1700	5700
Benzo[a]pyrene	7500	ug/Kg	50	1700	5700
Benzo[b]fluoranthene	[5400]	ug/Kg	50	1900	6300
Benzo[g,h,i]perylene	[3000]	ug/Kg	50	1600	5400
Benzo[k]fluoranthene	ND	ug/Kg	50	1900	6400
Chrysene	7400	ug/Kg	50	1800	5900
Dibenzo[a,h]anthracene	ND	ug/Kg	50	1700	5700
Dibenzofuran	ND	ug/Kg	50	1600	5300
Fluoranthene	20000	ug/Kg	50	1900	6200
Fluorene	16000	ug/Kg	50	1600	5400
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	50	1600	5200
1-Methylnaphthalene	33000	ug/Kg	50	1600	5300
2-Methylnaphthalene	56000	ug/Kg	50	1600	5200
2-Methylphenol	ND	ug/Kg	50	1300	4300
3 & 4-Methylphenol	ND	ug/Kg	50	2700	9600
Naphthalene	55000	ug/Kg	50	1500	5100
Phenanthrene	58000	ug/Kg	50	1800	6100
Phenol	ND	ug/Kg	50	1400	4700
Pyrene	31000	ug/Kg	50	1800	5900
Benzo[e]pyrene	[4100]	ug/Kg	50	1900	6400
Biphenyl	8600	ug/Kg	50	1500	6400
2,6-Dimethylnaphthalene	20000	ug/Kg	50	2000	6800
2,3,5-Trimethylnaphthalene	[3000]	ug/Kg	50	1800	5900
1-Methylphenanthrene	[5400]	ug/Kg	50	1900	6500
Perylene	ND	ug/Kg	50	2700	8900
2-Fluorophenol (SURR**)	77%				
Phenol-d5 (SURR**)	79%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	93%				
2,4,6-Tribromophenol (SURR**)	69%				
Terphenyl-d14 (SURR**)	90%				

10 mL final extract volume.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375449 **Soil, NSP-SE-SQTI-0605-B** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	930	ug/Kg	2	65	220
Acenaphthylene	[140]	ug/Kg	2	61	200
Anthracene	270	ug/Kg	2	77	260
Benzo[a]anthracene	480	ug/Kg	2	68	230
Benzo[a]pyrene	540	ug/Kg	2	68	230
Benzo[b]fluoranthene	450	ug/Kg	2	75	250
Benzo[g,h,i]perylene	240	ug/Kg	2	65	220
Benzo[k]fluoranthene	[130]	ug/Kg	2	76	250
Chrysene	460	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	740	ug/Kg	2	75	250
Fluorene	300	ug/Kg	2	65	220
Indeno[1,2,3-cd]pyrene	[170]	ug/Kg	2	62	210
1-Methylnaphthalene	850	ug/Kg	2	63	210
2-Methylnaphthalene	1300	ug/Kg	2	62	210
2-Methylphenol	ND	ug/Kg	2	52	170
3 & 4-Methylphenol	ND	ug/Kg	2	110	390
Naphthalene	2600	ug/Kg	2	61	200
Phenanthrene	1100	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	1200	ug/Kg	2	71	240
Benzo[e]pyrene	310	ug/Kg	2	76	250
Biphenyl	[170]	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	340	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	[150]	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	75%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	80%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375450 **Soil, NSP-SQT2-0605-B** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

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	[440]	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	[570]	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	69%				

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: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375451 **Soil, NSP-SE-SQT2-0605-A** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	69%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	80%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	88%				

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: 90463**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375452 **Soil, NSP-SE-SQT9-0605-A** **Collected: 06/18/05** **Analyzed: 07/15/05 -**

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	270	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	73%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	78%				
2-Fluorobiphenyl (SURR**)	75%				
2,4,6-Tribromophenol (SURR**)	92%				
Terphenyl-d14 (SURR**)	84%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375453 **Soil, NSP-SE-SQT9-0605-D** **Collected: 06/18/05** **Analyzed: 07/17/05 -**

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	430	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	94%				
Terphenyl-d14 (SURR**)	89%				

Additional non-target compounds present.

** 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: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:30**

Sample: 375444 **Soil, NSP-SE-SQT1-0605-D** **Collected: 06/19/05** **Analyzed: 06/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	12.5	190	630
sec-Butylbenzene	ND	ug/kg	12.5	240	800
Ethylbenzene	[330]	ug/kg	12.5	190	640
ortho-Xylene	ND	ug/kg	12.5	160	530
Styrene	ND	ug/kg	12.5	220	720
Toluene	ND	ug/kg	12.5	130	420
1,2,4-Trimethylbenzene	ND	ug/kg	12.5	180	610
1,3,5-Trimethylbenzene	ND	ug/kg	12.5	210	680
meta,para-Xylene	ND	ug/kg	12.5	310	1100
1,2,3-Trimethylbenzene	ND	ug/kg	12.5	240	790
Dibromofluoromethane (SURR**)	94%				
Toluene-d8 (SURR**)	99%				
1-Bromo-4-Fluorobenzene (SURR**)	97%				

Diluted due to high level of Naphthalene.

Sample: 375445 **Soil, NSP-SE-SQT1-0605-E** **Collected: 06/19/05** **Analyzed: 06/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	12.5	190	630
sec-Butylbenzene	ND	ug/kg	12.5	240	800
Ethylbenzene	ND	ug/kg	12.5	190	640
ortho-Xylene	ND	ug/kg	12.5	160	530
Styrene	ND	ug/kg	12.5	220	720
Toluene	ND	ug/kg	12.5	130	420
1,2,4-Trimethylbenzene	ND	ug/kg	12.5	180	610
1,3,5-Trimethylbenzene	ND	ug/kg	12.5	210	680
meta,para-Xylene	ND	ug/kg	12.5	310	1100
1,2,3-Trimethylbenzene	ND	ug/kg	12.5	240	790
Dibromofluoromethane (SURR**)	99%				
Toluene-d8 (SURR**)	99%				
1-Bromo-4-Fluorobenzene (SURR**)	97%				

Diluted due to high level of Naphthalene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:30**

Sample: 375446 **Soil, NSP-SE-SQT01-0605-A** **Collected: 06/19/05** **Analyzed: 06/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	2	30	100
sec-Butylbenzene	ND	ug/kg	2	39	130
Ethylbenzene	[71]	ug/kg	2	31	100
ortho-Xylene	ND	ug/kg	2	25	85
Styrene	ND	ug/kg	2	35	120
Toluene	ND	ug/kg	2	21	67
1,2,4-Trimethylbenzene	[96]	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**)	93%				
Toluene-d8 (SURR**)	96%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Diluted due to high level of Naphthalene.

Sample: 375447 **Soil, NSP-SE-SQT1-0605-C** **Collected: 06/19/05** **Analyzed: 06/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	25	380	1300
sec-Butylbenzene	ND	ug/kg	25	480	1600
Ethylbenzene	[760]	ug/kg	25	390	1300
ortho-Xylene	ND	ug/kg	25	320	1100
Styrene	ND	ug/kg	25	430	1400
Toluene	ND	ug/kg	25	260	840
1,2,4-Trimethylbenzene	1200	ug/kg	25	370	1200
1,3,5-Trimethylbenzene	ND	ug/kg	25	410	1400
meta,para-Xylene	ND	ug/kg	25	630	2200
1,2,3-Trimethylbenzene	ND	ug/kg	25	470	1600
Dibromofluoromethane (SURR**)	97%				
Toluene-d8 (SURR**)	103%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Diluted due to high level of Naphthalene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:30**

Sample: 375448 **Soil, NSP-SE-SQDUP09-0605-DUP** **Collected: 06/19/05** **Analyzed: 06/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	25	380	1300
sec-Butylbenzene	ND	ug/kg	25	480	1600
Ethylbenzene	[640]	ug/kg	25	390	1300
ortho-Xylene	ND	ug/kg	25	320	1100
Styrene	ND	ug/kg	25	430	1400
Toluene	ND	ug/kg	25	260	840
1,2,4-Trimethylbenzene	[1000]	ug/kg	25	370	1200
1,3,5-Trimethylbenzene	ND	ug/kg	25	410	1400
meta,para-Xylene	ND	ug/kg	25	630	2200
1,2,3-Trimethylbenzene	ND	ug/kg	25	470	1600
Dibromofluoromethane (SURR**)	99%				
Toluene-d8 (SURR**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Diluted due to high level of Naphthalene.

Sample: 375449 **Soil, NSP-SE-SQTI-0605-B** **Collected: 06/19/05** **Analyzed: 06/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	2	30	100
sec-Butylbenzene	ND	ug/kg	2	39	130
Ethylbenzene	[82]	ug/kg	2	31	100
ortho-Xylene	ND	ug/kg	2	25	85
Styrene	ND	ug/kg	2	35	120
Toluene	[35]	ug/kg	2	21	67
1,2,4-Trimethylbenzene	[63]	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**)	103%				
Toluene-d8 (SURR**)	106%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Diluted due to high level of Naphthalene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:30**

Sample: 375450 **Soil, NSP-SQT2-0605-B** **Collected: 06/19/05** **Analyzed: 06/27/05 -**

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	1200	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**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 375451 **Soil, NSP-SE-SQT2-0605-A** **Collected: 06/19/05** **Analyzed: 06/27/05 -**

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	390	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**)	108%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

Sample: 375452 **Soil, NSP-SE-SQT9-0605-A** **Collected: 06/18/05** **Analyzed: 06/27/05 -**

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	210	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**)	104%				
1-Bromo-4-Fluorobenzene (SURR**)	98%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90463**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:30**

Sample: 375453 **Soil, NSP-SE-SQT9-0605-D** **Collected: 06/18/05** **Analyzed: 06/27/05 -**

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	240	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**)	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
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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: 90464
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT2-0605-E NLS ID: 375454
Ref. Line 1 COC 77076 Soil, NSP-SE-SQT2-0605-E Matrix: SO
Collected: 06/19/05 14:45 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1500	mg/Kg DWB	1	16	58	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.2	11	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	2.6	9.1	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	23	mg/Kg DWB	1	0.37	0.74	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.24]	mg/Kg DWB	1	0.074	0.26	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.55	2.0	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	4900	mg/Kg DWB	10	110	220	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[3.7]	mg/Kg DWB	1	1.1	3.9	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[2.1]	mg/Kg DWB	1	1.0	3.6	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	16	mg/Kg DWB	1	0.44	1.6	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.1	9.3	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3600	mg/Kg DWB	10	21	77	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	12	44	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	710	mg/Kg DWB	10	110	220	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	68	mg/Kg DWB	1	0.24	0.74	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	[0.11]	mg/Kg DWB	1	0.074	0.26	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[4.4]	mg/Kg DWB	1	2.6	9.4	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	170	mg/Kg DWB	1	27	97	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.0	10	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	3.9	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	40	mg/Kg DWB	1	2.4	8.9	07/16/05	SW846 6010	721026460
Solids, total on solids	42.9	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.8	14	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	11	mg/Kg DWB	1	0.65	2.4	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	28	mg/Kg DWB	1	0.50	1.5	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90464
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT2-0605-C NLS ID: 375455
Ref. Line 2 COC 77076 Soil, NSP-SE-SQT2-0605-C Matrix: SO
Collected: 06/19/05 14:15 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1600	mg/Kg DWB	1	16	59	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.6	13	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	2.8	10	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	29	mg/Kg DWB	1	0.38	0.75	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.32	mg/Kg DWB	1	0.075	0.26	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.56	2.0	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	5000	mg/Kg DWB	10	110	230	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[2.8]	mg/Kg DWB	1	1.1	4.0	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.2]	mg/Kg DWB	1	1.1	3.7	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	41	mg/Kg DWB	1	0.44	1.7	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.5	11	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4700	mg/Kg DWB	10	21	78	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[13]	mg/Kg DWB	1	12	44	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	740	mg/Kg DWB	10	110	230	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	78	mg/Kg DWB	1	0.25	0.75	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	[0.13]	mg/Kg DWB	1	0.076	0.27	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.7]	mg/Kg DWB	1	2.6	9.6	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	180	mg/Kg DWB	1	27	99	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.3	11	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	3.9	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	38	mg/Kg DWB	1	2.5	9.0	07/16/05	SW846 6010	721026460
Solids, total on solids	37.6	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	4.2	15	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.65	2.4	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	39	mg/Kg DWB	1	0.50	1.5	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 90464
NLS Customer: 91206

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

Project: **Xcel Ashland Sediment Samples**

Soil, NSP-SE-SQT2-0605-D NLS ID: 375456
Ref. Line 3 COC 77076 Soil, NSP-SE-SQT2-0605-D Matrix: SO
Collected: 06/19/05 14:30 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1300	mg/Kg DWB	1	17	62	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.4	12	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.6]	mg/Kg DWB	20	2.7	9.5	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	36	mg/Kg DWB	1	0.40	0.79	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.10]	mg/Kg DWB	1	0.079	0.28	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	[0.61]	mg/Kg DWB	1	0.59	2.1	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	7100	mg/Kg DWB	10	120	240	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[2.9]	mg/Kg DWB	1	1.2	4.2	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.9]	mg/Kg DWB	1	1.1	3.9	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	48	mg/Kg DWB	1	0.47	1.7	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.6	11	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5100	mg/Kg DWB	10	22	82	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	13	47	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	650	mg/Kg DWB	10	120	240	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	81	mg/Kg DWB	1	0.26	0.79	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.077	0.27	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[4.7]	mg/Kg DWB	1	2.8	10	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	29	100	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.1	11	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	4.1	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	32	mg/Kg DWB	1	2.6	9.5	07/16/05	SW846 6010	721026460
Solids, total on solids	37.2	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	4.0	14	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	9.6	mg/Kg DWB	1	0.69	2.5	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	42	mg/Kg DWB	1	0.53	1.6	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90464
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT9-0605-C NLS ID: 375457
Ref. Line 4 COC 77076 Soil, NSP-SE-SQT9-0605-C Matrix: SO
Collected: 06/18/05 15:15 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	900	mg/Kg DWB	1	11	42	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.3	8.2	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.1]	mg/Kg DWB	20	1.8	6.5	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	13	mg/Kg DWB	1	0.27	0.54	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.054	0.19	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.40	1.5	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	2900	mg/Kg DWB	10	81	160	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.8]	mg/Kg DWB	1	0.81	2.9	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.76	2.7	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	3.1	mg/Kg DWB	1	0.32	1.2	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.4	10	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	1700	mg/Kg DWB	10	15	56	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	8.8	32	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	260	mg/Kg DWB	10	81	160	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	29	mg/Kg DWB	1	0.18	0.54	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.073	0.26	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.9	6.9	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	150	mg/Kg DWB	1	20	71	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.1	7.4	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.79	2.8	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	21	mg/Kg DWB	1	1.8	6.5	07/16/05	SW846 6010	721026460
Solids, total on solids	39.5	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.7	9.7	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	6.9	mg/Kg DWB	1	0.47	1.7	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	8.4	mg/Kg DWB	1	0.36	1.1	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90464
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 Sediment Samples

Soil, NSP-SE-SQT9-0605-B NLS ID: 375458
Ref. Line 5 COC 77076 Soil, NSP-SE-SQT9-0605-B Matrix: SO
Collected: 06/18/05 15:00 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	630	mg/Kg DWB	1	8.5	32	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.7	6.0	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.4]	mg/Kg DWB	20	1.3	4.8	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.9	mg/Kg DWB	1	0.20	0.40	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.68	mg/Kg DWB	1	0.040	0.14	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.30	1.1	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	1400	mg/Kg DWB	10	61	120	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.1]	mg/Kg DWB	1	0.61	2.1	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[0.79]	mg/Kg DWB	1	0.57	2.0	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.2	mg/Kg DWB	1	0.24	0.89	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.4	7.2	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	2000	mg/Kg DWB	10	11	42	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.5	24	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	280	mg/Kg DWB	10	61	120	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	34	mg/Kg DWB	1	0.13	0.40	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.072	0.25	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.4	5.1	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	15	53	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.6	5.4	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.59	2.1	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	18	mg/Kg DWB	1	1.3	4.8	07/16/05	SW846 6010	721026460
Solids, total on solids	55.1	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.0	7.1	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	5.6	mg/Kg DWB	1	0.35	1.3	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	6.0	mg/Kg DWB	1	0.27	0.81	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	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: 90464
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT9-0605-E NLS ID: 375459
Ref. Line 6 COC 77076 Soil, NSP-SE-SQT9-0605-E Matrix: SO
Collected: 06/18/05 15:55 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	640	mg/Kg DWB	1	8.7	32	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.7	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.3	4.5	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	6.9	mg/Kg DWB	1	0.21	0.42	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.042	0.15	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.31	1.1	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	1000	mg/Kg DWB	10	62	120	07/19/05	SW846 6010	721026460
Chromium, tot recoverable as Cr by ICP	[1.1]	mg/Kg DWB	1	0.62	2.2	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.58	2.0	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.8	mg/Kg DWB	1	0.25	0.92	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.1	6.3	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	1700	mg/Kg DWB	10	12	43	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.7	25	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	180	mg/Kg DWB	10	62	120	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	25	mg/Kg DWB	1	0.14	0.42	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.083	0.30	06/28/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.5]	mg/Kg DWB	1	1.5	5.3	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	82	mg/Kg DWB	1	15	55	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.5	5.2	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.60	2.2	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	20	mg/Kg DWB	1	1.4	5.0	07/16/05	SW846 6010	721026460
Solids, total or solids	63.2	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.9	6.8	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	4.3	mg/Kg DWB	1	0.36	1.3	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	5.2	mg/Kg DWB	1	0.28	0.83	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/01/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/14/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/15/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/01/05	SW846 3550B	721026460

NSP-SE-SQ-TRIPBLANK-03-0605 NLS ID: 375460
Ref. Line 8 COC 77076 NSP-SE-SQ-TRIPBLANK-03-0605 Matrix: TB
Collected: 06/18/05 00:00 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (solid) by EPA 8260	see attached					06/29/05	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 - Soil

Customer: URS Corporation (Milwaukee) **NLS Project: 90464**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375454 **Soil, NSP-SE-SQT2-0605-E** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	75%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	79%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	86%				

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: 90464**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375455 **Soil, NSP-SE-SQT2-0605-C** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

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	270	ug/Kg	2	68	230
Benzo[a]pyrene	340	ug/Kg	2	68	230
Benzo[b]fluoranthene	350	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	300	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	370	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	290	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	560	ug/Kg	2	71	240
Benzo[e]pyrene	[240]	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	69%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	88%				

Diluted due to sample matrix in order to prevent further instrument contamination.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90464**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375456 **Soil, NSP-SE-SQT2-0605-D** **Collected: 06/19/05** **Analyzed: 07/15/05 -**

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	260	ug/Kg	2	68	230
Benzo[a]pyrene	340	ug/Kg	2	68	230
Benzo[b]fluoranthene	360	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	290	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	260	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	510	ug/Kg	2	71	240
Benzo[e]pyrene	[230]	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	91%				

Diluted due to sample matrix in order to prevent further instrument contamination.
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: 90464**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375457 **Soil, NSP-SE-SQT9-0605-C** **Collected: 06/18/05** **Analyzed: 07/15/05 -**

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	390	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	87%				
Terphenyl-d14 (SURR**)	85%				

Additional non-target compounds present.
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: 90464**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375458 **Soil, NSP-SE-SQT9-0605-B** **Collected: 06/18/05** **Analyzed: 07/15/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	70%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	93%				
Terphenyl-d14 (SURR**)	87%				

Additional non-target compounds present.

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: 90464**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:30**

Sample: 375459 **Soil, NSP-SE-SQT9-0605-E** **Collected: 06/18/05** **Analyzed: 07/15/05 -**

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	[170]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	96%				

Additional non-target compounds present.

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: 90464**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:30**

Sample: 375454 **Soil, NSP-SE-SQT2-0605-E** **Collected: 06/19/05** **Analyzed: 06/29/05 -**

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	1200	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%				

Sample: 375455 **Soil, NSP-SE-SQT2-0605-C** **Collected: 06/19/05** **Analyzed: 06/29/05 -**

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	640	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**)	97%				

Sample: 375456 **Soil, NSP-SE-SQT2-0605-D** **Collected: 06/19/05** **Analyzed: 06/29/05 -**

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	790	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**)	100%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90464**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:30**

Sample: 375457 **Soil, NSP-SE-SQT9-0605-C** **Collected: 06/18/05** **Analyzed: 06/29/05 -**

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	510	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**)	96%				

Sample: 375458 **Soil, NSP-SE-SQT9-0605-B** **Collected: 06/18/05** **Analyzed: 06/29/05 -**

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	47	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**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	95%				

Sample: 375459 **Soil, NSP-SE-SQT9-0605-E** **Collected: 06/18/05** **Analyzed: 06/29/05 -**

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	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**)	97%				
Toluene-d8 (SURR**)	107%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90464**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:30**

Sample: 375460 **NSP-SE-SQ-TRIPBLANK-03-0605** **Collected: 06/18/05** **Analyzed: 06/29/05 -**

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**)	95%				
Toluene-d8 (SURR**)	106%				
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
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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: 90465
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Equipment Blanks

NSP-SQEQUIP08-0605 NLS ID: 375461
Ref. Line 7 COC 77076(C) NSP-SQEQUIP08-0605 Matrix: WW
Collected: 06/19/05 17:00 Received: 06/21/05

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	EPA 200.7	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	ug/L	1	2.0	7.1	07/05/05	SM 3113B	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	ug/L	1	1.6	5.6	07/10/05	EPA 206.2	721026460
Barium, tot. recoverable as Ba by ICP-Trace	ND	ug/L	1	2.5*	5.0	07/05/05	EPA 200.7	721026460
Beryllium, tot. recoverable as Be by ICP-Trace	ND	ug/L	1	0.17	0.50	07/06/05	EPA 200.7	721026460
Cadmium, tot. recoverable as Cd by ICP-Trace	ND	ug/L	1	0.17	0.50	07/05/05	EPA 200.7	721026460
Calcium, tot. recoverable as Ca by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Chromium, tot. recoverable as Cr by ICP-Trace	ND	ug/L	1	0.45	1.4	07/05/05	EPA 200.7	721026460
Cobalt, tot. recoverable as Co by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[2.0]	ug/L	1	1.3	4.0	07/05/05	EPA 200.7	721026460
Cyanide, tot. (distilled) as CN	ND	mg/L	1	0.0050	0.015	06/28/05	EPA 335.4	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.033	0.10	07/05/05	EPA 200.7	721026460
Lead, tot. recoverable as Pb by ICP-Trace	ND	ug/L	1	1.0	3.3	07/05/05	EPA 200.7	721026460
Magnesium, tot. recoverable as Mg by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	[1.1]	ug/L	1	1.0*	2.0	07/05/05	EPA 200.7	721026460
Mercury, tot. as Hg	ND	ug/L	1	0.025	0.050	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	ND	ug/L	1	0.71	2.3	07/05/05	EPA 200.7	721026460
Potassium, tot. recoverable as K by ICP	ND	mg/L	1	0.36	1.3	07/08/05	EPA 200.7	721026460
Selenium, tot. recoverable as Se by furnace	ND	ug/L	1	1.9	6.4	07/01/05	EPA 270.2	721026460
Silver, tot. recoverable as Ag by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Sodium, tot. recoverable as Na by ICP	[0.069]	mg/L	1	0.033	0.12	07/08/05	EPA 200.7	721026460
Thallium, tot. recoverable by furnace AAS	ND	ug/L	1	2.4	8.4	07/05/05	EPA 279.2	721026460
Vanadium, tot. recoverable as V by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10	07/05/05	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/29/05	EPA 200.7M	721026460
Metals digestion - tot. recov. GF	yes					06/29/05	EPA 200.0M	721026460
VOCs (water) by EPA 8260	see attached					06/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/26/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					07/09/05	SW846 8270C	721026460

NSP-SE-SQ-TRIPBLANK-04-0605 NLS ID: 375462
Ref. Line 9 COC 77076(C) NSP-SE-SQ-TRIPBLANK-04-0605 Matrix: TB
Collected: 06/19/05 00:00 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					06/28/05	SW846 8260	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 90465
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Equipment Blanks

NSP-SQEQUIPBLANK-09-06-05 NLS ID: 375745
Ref. Line 7 COC 77089(C) NSP-SQEQUIPBLANK-09-06-05 Matrix: WW
Collected: 06/20/05 16:00 Received: 06/22/05

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	EPA 200.7	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	ug/L	1	2.0	7.1	07/05/05	SM 3113B	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	ug/L	1	1.6	5.6	07/10/05	EPA 206.2	721026460
Barium, tot. recoverable as Ba by ICP-Trace	ND	ug/L	1	2.5*	5.0	07/05/05	EPA 200.7	721026460
Beryllium, tot. recoverable as Be by ICP-Trace	ND	ug/L	1	0.17	0.50	07/06/05	EPA 200.7	721026460
Cadmium, tot. recoverable as Cd by ICP-Trace	ND	ug/L	1	0.17	0.50	07/05/05	EPA 200.7	721026460
Calcium, tot. recoverable as Ca by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Chromium, tot. recoverable as Cr by ICP-Trace	[0.65]	ug/L	1	0.45	1.4	07/05/05	EPA 200.7	721026460
Cobalt, tot. recoverable as Co by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[2.4]	ug/L	1	1.3	4.0	07/05/05	EPA 200.7	721026460
Cyanide, tot. (distilled) as CN	ND	mg/L	1	0.0050	0.015	06/28/05	EPA 335.4	721026460
Iron, tot. recoverable as Fe by ICP-Trace	0.11	mg/L	1	0.033	0.10	07/06/05	EPA 200.7	721026460
Lead, tot. recoverable as Pb by ICP-Trace	ND	ug/L	1	1.0	3.3	07/05/05	EPA 200.7	721026460
Magnesium, tot. recoverable as Mg by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	[1.7]	ug/L	1	1.0*	2.0	07/05/05	EPA 200.7	721026460
Mercury, tot. as Hg	ND	ug/L	1	0.025	0.050	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	34	ug/L	1	0.71	2.3	07/05/05	EPA 200.7	721026460
Potassium, tot. recoverable as K by ICP	ND	mg/L	1	0.36	1.3	07/08/05	EPA 200.7	721026460
Selenium, tot. recoverable as Se by furnace	ND	ug/L	1	1.9	6.4	07/01/05	EPA 270.2	721026460
Silver, tot. recoverable as Ag by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Sodium, tot. recoverable as Na by ICP	[0.11]	mg/L	1	0.033	0.12	07/08/05	EPA 200.7	721026460
Thallium, tot. recoverable by furnace AAS	ND	ug/L	1	2.4	8.4	07/05/05	EPA 279.2	721026460
Vanadium, tot. recoverable as V by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[7.0]	ug/L	1	5.0*	10	07/05/05	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/29/05	EPA 200.7M	721026460
Metals digestion - tot. recov. GF	yes					06/29/05	EPA 200.0M	721026460
VOCs (water) by EPA 8260	see attached					06/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/26/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					07/09/05	SW846 8270C	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90465
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Equipment Blanks

NSP-SQEQUIPBLANK-10-0605 NLS ID: 375959
Ref. Line 2 COC 77090(C) NSP-SQEQUIPBLANK-10-0605 Matrix: WW
Collected: 06/21/05 17:45 Received: 06/23/05

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	EPA 200.7	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	ug/L	1	2.0	7.1	07/05/05	SM 3113B	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	ug/L	1	1.6	5.6	07/10/05	EPA 206.2	721026460
Barium, tot. recoverable as Ba by ICP-Trace	ND	ug/L	1	2.5*	5.0	07/05/05	EPA 200.7	721026460
Beryllium, tot. recoverable as Be by ICP-Trace	ND	ug/L	1	0.17	0.50	07/06/05	EPA 200.7	721026460
Cadmium, tot. recoverable as Cd by ICP-Trace	ND	ug/L	1	0.17	0.50	07/05/05	EPA 200.7	721026460
Calcium, tot. recoverable as Ca by ICP-Trace	[0.17]	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Chromium, tot. recoverable as Cr by ICP-Trace	[0.76]	ug/L	1	0.45	1.4	07/05/05	EPA 200.7	721026460
Cobalt, tot. recoverable as Co by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[1.9]	ug/L	1	1.3	4.0	07/05/05	EPA 200.7	721026460
Cyanide, tot. (distilled) as CN	ND	mg/L	1	0.0050	0.015	06/30/05	EPA 335.4	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.033	0.10	07/05/05	EPA 200.7	721026460
Lead, tot. recoverable as Pb by ICP-Trace	[1.6]	ug/L	1	1.0	3.3	07/05/05	EPA 200.7	721026460
Magnesium, tot. recoverable as Mg by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	[1.6]	ug/L	1	1.0*	2.0	07/05/05	EPA 200.7	721026460
Mercury, tot. as Hg	ND	ug/L	1	0.025	0.050	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	3.6	ug/L	1	0.71	2.3	07/05/05	EPA 200.7	721026460
Potassium, tot. recoverable as K by ICP	ND	mg/L	1	0.36	1.3	07/08/05	EPA 200.7	721026460
Selenium, tot. recoverable as Se by furnace	ND	ug/L	1	1.9	6.4	07/01/05	EPA 270.2	721026460
Silver, tot. recoverable as Ag by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Sodium, tot. recoverable as Na by ICP	[0.054]	mg/L	1	0.033	0.12	07/08/05	EPA 200.7	721026460
Thallium, tot. recoverable by furnace AAS	ND	ug/L	1	2.4	8.4	07/05/05	EPA 279.2	721026460
Vanadium, tot. recoverable as V by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[9.4]	ug/L	1	5.0*	10	07/05/05	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/29/05	EPA 200.7M	721026460
Metals digestion - tot. recov. GF	yes					06/29/05	EPA 200.0M	721026460
VOCs (water) by EPA 8260	see attached					06/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/26/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					07/09/05	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

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

NLS Project: 90465
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Equipment Blanks

NSP-SQEQUIPBLANK-11-0605 NLS ID: 376194
Ref. Line 7 COC 77092(C) NSP-SQEQUIPBLANK-11-0605 Matrix: WW
Collected: 06/22/05 18:15 Received: 06/24/05

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	EPA 200.7	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	ug/L	1	2.0	7.1	07/05/05	SM 3113B	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	ug/L	1	1.6	5.6	07/10/05	EPA 206.2	721026460
Barium, tot. recoverable as Ba by ICP-Trace	ND	ug/L	1	2.5*	5.0	07/05/05	EPA 200.7	721026460
Beryllium, tot. recoverable as Be by ICP-Trace	ND	ug/L	1	0.17	0.50	07/06/05	EPA 200.7	721026460
Cadmium, tot. recoverable as Cd by ICP-Trace	ND	ug/L	1	0.17	0.50	07/05/05	EPA 200.7	721026460
Calcium, tot. recoverable as Ca by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Chromium, tot. recoverable as Cr by ICP-Trace	[0.64]	ug/L	1	0.45	1.4	07/05/05	EPA 200.7	721026460
Cobalt, tot. recoverable as Co by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[1.4]	ug/L	1	1.3	4.0	07/05/05	EPA 200.7	721026460
Cyanide, tot. (distilled) as CN	ND	mg/L	1	0.0050	0.015	06/30/05	EPA 335.4	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.033	0.10	07/05/05	EPA 200.7	721026460
Lead, tot. recoverable as Pb by ICP-Trace	ND	ug/L	1	1.0	3.3	07/05/05	EPA 200.7	721026460
Magnesium, tot. recoverable as Mg by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	ND	ug/L	1	1.0*	2.0	07/05/05	EPA 200.7	721026460
Mercury, tot. as Hg	ND	ug/L	1	0.025	0.050	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	[1.2]	ug/L	1	0.71	2.3	07/05/05	EPA 200.7	721026460
Potassium, tot. recoverable as K by ICP	ND	mg/L	1	0.36	1.3	07/08/05	EPA 200.7	721026460
Selenium, tot. recoverable as Se by furnace	ND	ug/L	1	1.9	6.4	07/01/05	EPA 270.2	721026460
Silver, tot. recoverable as Ag by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Sodium, tot. recoverable as Na by ICP	[0.053]	mg/L	1	0.033	0.12	07/08/05	EPA 200.7	721026460
Thallium, tot. recoverable by furnace AAS	ND	ug/L	1	2.4	8.4	07/05/05	EPA 279.2	721026460
Vanadium, tot. recoverable as V by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10	07/05/05	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/29/05	EPA 200.7M	721026460
Metals digestion - tot. recov. GF	yes					06/29/05	EPA 200.0M	721026460
VOCs (water) by EPA 8260	see attached					06/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/26/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					07/09/05	SW846 8270C	721026460

Trip Blank NLS ID: 376195
Ref. Line 8 COC 77092(C) Trip Blank Matrix: TB
Collected: 06/22/05 00:00 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					06/28/05	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: 90465
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Equipment Blanks

NSP-SQEQUIPBLANK12-0605 NLS ID: 376338
Ref. Line 1 COC 77103 NSP-SQEQUIPBLANK12-0605 Matrix: WW
Collected: 06/23/05 15:50 Received: 06/27/05

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	EPA 200.7	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	ug/L	1	2.0	7.1	07/05/05	SM 3113B	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	ug/L	1	1.6	5.6	07/10/05	EPA 206.2	721026460
Barium, tot. recoverable as Ba by ICP-Trace	ND	ug/L	1	2.5*	5.0	07/05/05	EPA 200.7	721026460
Beryllium, tot. recoverable as Be by ICP-Trace	ND	ug/L	1	0.17	0.50	07/13/05	EPA 200.7	721026460
Cadmium, tot. recoverable as Cd by ICP-Trace	ND	ug/L	1	0.17	0.50	07/05/05	EPA 200.7	721026460
Calcium, tot. recoverable as Ca by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Chromium, tot. recoverable as Cr by ICP-Trace	7.4	ug/L	1	0.45	1.4	07/05/05	EPA 200.7	721026460
Cobalt, tot. recoverable as Co by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[2.6]	ug/L	1	1.3	4.0	07/05/05	EPA 200.7	721026460
Cyanide, tot. (distilled) as CN	ND	mg/L	1	0.0050	0.015	06/30/05	EPA 335.4	721026460
Iron, tot. recoverable as Fe by ICP-Trace	[0.065]	mg/L	1	0.033	0.10	07/05/05	EPA 200.7	721026460
Lead, tot. recoverable as Pb by ICP-Trace	ND	ug/L	1	1.0	3.3	07/05/05	EPA 200.7	721026460
Magnesium, tot. recoverable as Mg by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	4.6	ug/L	1	1.0*	2.0	07/05/05	EPA 200.7	721026460
Mercury, tot. as Hg	ND	ug/L	1	0.025	0.050	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	17	ug/L	1	0.71	2.3	07/05/05	EPA 200.7	721026460
Potassium, tot. recoverable as K by ICP	ND	mg/L	1	0.36	1.3	07/08/05	EPA 200.7	721026460
Selenium, tot. recoverable as Se by furnace	ND	ug/L	1	1.9	6.4	07/01/05	EPA 270.2	721026460
Silver, tot. recoverable as Ag by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Sodium, tot. recoverable as Na by ICP	[0.042]	mg/L	1	0.033	0.12	07/08/05	EPA 200.7	721026460
Thallium, tot. recoverable by furnace AAS	ND	ug/L	1	2.4	8.4	07/05/05	EPA 279.2	721026460
Vanadium, tot. recoverable as V by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10	07/05/05	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/29/05	EPA 200.7M	721026460
Metals digestion - tot. recov. GF	yes					06/29/05	EPA 200.0M	721026460
VOCs (water) by EPA 8260	see attached					06/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/29/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					07/02/05	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

Project: URS Xcel Equipment Blanks

NLS Project: 90465
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

NSP-SQEQUIPBLANK13-0605 NLS ID: 376339
Ref. Line 2 COC 77103 NSP-SQEQUIPBLANK13-0605 Matrix: WW
Collected: 06/24/05 17:40 Received: 06/27/05

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	EPA 200.7	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	ug/L	1	2.0	7.1	07/05/05	SM 3113B	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	ug/L	1	1.6	5.6	07/10/05	EPA 206.2	721026460
Barium, tot. recoverable as Ba by ICP-Trace	ND	ug/L	1	2.5*	5.0	07/05/05	EPA 200.7	721026460
Beryllium, tot. recoverable as Be by ICP-Trace	ND	ug/L	1	0.17	0.50	07/13/05	EPA 200.7	721026460
Cadmium, tot. recoverable as Cd by ICP-Trace	ND	ug/L	1	0.17	0.50	07/05/05	EPA 200.7	721026460
Calcium, tot. recoverable as Ca by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Chromium, tot. recoverable as Cr by ICP-Trace	4.7	ug/L	1	0.45	1.4	07/05/05	EPA 200.7	721026460
Cobalt, tot. recoverable as Co by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[1.6]	ug/L	1	1.3	4.0	07/05/05	EPA 200.7	721026460
Cyanide, tot. (distilled) as CN	ND	mg/L	1	0.0050	0.015	06/30/05	EPA 335.4	721026460
Iron, tot. recoverable as Fe by ICP-Trace	[0.034]	mg/L	1	0.033	0.10	07/05/05	EPA 200.7	721026460
Lead, tot. recoverable as Pb by ICP-Trace	ND	ug/L	1	1.0	3.3	07/05/05	EPA 200.7	721026460
Magnesium, tot. recoverable as Mg by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	ND	ug/L	1	1.0*	2.0	07/05/05	EPA 200.7	721026460
Mercury, tot. as Hg	ND	ug/L	1	0.025	0.050	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	ND	ug/L	1	0.71	2.3	07/05/05	EPA 200.7	721026460
Potassium, tot. recoverable as K by ICP	ND	mg/L	1	0.36	1.3	07/08/05	EPA 200.7	721026460
Selenium, tot. recoverable as Se by furnace	[2.0]	ug/L	1	1.9	6.4	07/01/05	EPA 270.2	721026460
Silver, tot. recoverable as Ag by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Sodium, tot. recoverable as Na by ICP	ND	mg/L	1	0.033	0.12	07/08/05	EPA 200.7	721026460
Thallium, tot. recoverable by furnace AAS	ND	ug/L	1	2.4	8.4	07/05/05	EPA 279.2	721026460
Vanadium, tot. recoverable as V by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10	07/05/05	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/29/05	EPA 200.7M	721026460
Metals digestion - tot. recov. GF	yes					06/29/05	EPA 200.0M	721026460
VOCs (water) by EPA 8260	see attached					06/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/29/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					07/02/05	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: 90465
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: URS Xcel Equipment Blanks

NSP-SE-SQFIELDBLANK-02-0605 NLS ID: 376340

Ref. Line 3 COC 77103 NSP-SE-SQFIELDBLANK-02-0605 Matrix: WW
Collected: 06/24/05 17:50 Received: 06/27/05

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	EPA 200.7	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	ug/L	1	2.0	7.1	07/05/05	SM 3113B	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	ug/L	1	1.6	5.6	07/10/05	EPA 206.2	721026460
Barium, tot. recoverable as Ba by ICP-Trace	ND	ug/L	1	2.5*	5.0	07/05/05	EPA 200.7	721026460
Beryllium, tot. recoverable as Be by ICP-Trace	ND	ug/L	1	0.17	0.50	07/06/05	EPA 200.7	721026460
Cadmium, tot. recoverable as Cd by ICP-Trace	[0.40]	ug/L	1	0.17	0.50	07/05/05	EPA 200.7	721026460
Calcium, tot. recoverable as Ca by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Chromium, tot. recoverable as Cr by ICP-Trace	[1.0]	ug/L	1	0.45	1.4	07/05/05	EPA 200.7	721026460
Cobalt, tot. recoverable as Co by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Copper, tot. recoverable as Cu by ICP-Trace	[2.0]	ug/L	1	1.3	4.0	07/05/05	EPA 200.7	721026460
Cyanide, tot. (distilled) as CN	ND	mg/L	1	0.0050	0.015	06/30/05	EPA 335.4	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.033	0.10	07/05/05	EPA 200.7	721026460
Lead, tot. recoverable as Pb by ICP-Trace	ND	ug/L	1	1.0	3.3	07/05/05	EPA 200.7	721026460
Magnesium, tot. recoverable as Mg by ICP-Trace	ND	mg/L	1	0.15*	0.30	07/05/05	EPA 200.7	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	ND	ug/L	1	1.0*	2.0	07/05/05	EPA 200.7	721026460
Mercury, tot. as Hg	ND	ug/L	1	0.025	0.050	07/05/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	ND	ug/L	1	0.71	2.3	07/05/05	EPA 200.7	721026460
Potassium, tot. recoverable as K by ICP	ND	mg/L	1	0.36	1.3	07/08/05	EPA 200.7	721026460
Selenium, tot. recoverable as Se by furnace	ND	ug/L	1	1.9	6.4	07/01/05	EPA 270.2	721026460
Silver, tot. recoverable as Ag by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Sodium, tot. recoverable as Na by ICP	ND	mg/L	1	0.033	0.12	07/08/05	EPA 200.7	721026460
Thallium, tot. recoverable by furnace AAS	ND	ug/L	1	2.4	8.4	07/05/05	EPA 279.2	721026460
Vanadium, tot. recoverable as V by ICP-Trace	ND	ug/L	1	0.67	2.0	07/05/05	EPA 200.7	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	ND	ug/L	1	5.0*	10	07/05/05	EPA 200.7	721026460
Metals digestion - tot. recov.ICP	yes					06/29/05	EPA 200.7M	721026460
Metals digestion - tot. recov. GF	yes					06/29/05	EPA 200.0M	721026460
VOCs (water) by EPA 8260	see attached					06/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					06/29/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					07/02/05	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: 90465**

Project Description: URS Xcel Equipment Blanks

Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:31**

Sample: 375461 **NSP-SQEQUIP08-0605** **Collected: 06/19/05** **Analyzed: 07/09/05 -**

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
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**)	75%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	93%				
Terphenyl-d14 (SURR**)	77%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90465**
Project Description: URS Xcel Equipment Blanks
Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:31**

Sample: 375745 **NSP-SQEQUIPBLANK-09-06-05** **Collected: 06/20/05** **Analyzed: 07/09/05 -**

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
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**)	73%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	93%				
Terphenyl-d14 (SURR**)	75%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90465**
Project Description: URS Xcel Equipment Blanks
Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:31**

Sample: 375959 **NSP-SQEQUIPBLANK-10-0605** **Collected: 06/21/05** **Analyzed: 07/09/05 -**

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
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**)	75%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	93%				
Terphenyl-d14 (SURR**)	76%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90465**
Project Description: URS Xcel Equipment Blanks
Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:31**

Sample: 376194 **NSP-SQEQUIPBLANK-11-0605** **Collected: 06/22/05** **Analyzed: 07/09/05 -**

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
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**)	74%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	94%				
Terphenyl-d14 (SURR**)	75%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90465**
Project Description: URS Xcel Equipment Blanks
Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:31**

Sample: 376338 **NSP-SQEQUIPBLANK12-0605** **Collected: 06/23/05** **Analyzed: 07/02/05 -**

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**)	72%				
2,4,6-Tribromophenol (SURR**)	85%				
Terphenyl-d14 (SURR**)	82%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90465**
Project Description: URS Xcel Equipment Blanks
Project Title: ***Template: 8270WNSP Printed: 10/10/2005 11:31***

Sample: 376339 NSP-SQEQUIPBLANK13-0605 **Collected: 06/24/05** **Analyzed: 07/02/05 -**

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**)	77%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	77%				
Terphenyl-d14 (SURR**)	78%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90465**
Project Description: URS Xcel Equipment Blanks
Project Title: **Template: 8270WNSP** **Printed: 10/10/2005 11:31**

Sample: 376340 **NSP-SE-SQFIELDBLANK-02-0605** **Collected: 06/24/05** **Analyzed: 07/02/05 -**

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**)	77%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	84%				
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: 90465**
Project Description: URS Xcel Equipment Blanks
Project Title: **Template: SAT2NSP** **Printed: 10/10/2005 11:31**

Sample: 375461 **NSP-SQEQUIP08-0605** **Collected: 06/19/05** **Analyzed: 06/28/05 -**

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	[0.72]	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**)	94%				
1-Bromo-4-Fluorobenzene (SURR**)	89%				

Sample: 375462 **NSP-SE-SQ-TRIPBLANK-04-0605** **Collected: 06/19/05** **Analyzed: 06/28/05 -**

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**)	99%				
Toluene-d8 (SURR**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	97%				

Sample: 375745 **NSP-SQEQUIPBLANK-09-06-05** **Collected: 06/20/05** **Analyzed: 06/28/05 -**

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	[0.60]	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**)	96%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90465**

Project Description: URS Xcel Equipment Blanks

Project Title: **Template: SAT2NSP** **Printed: 10/10/2005 11:31**

Sample: 375959 **NSP-SQEQUIPBLANK-10-0605** **Collected: 06/21/05** **Analyzed: 06/28/05 -**

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**)	96%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 376194 **NSP-SQEQUIPBLANK-11-0605** **Collected: 06/22/05** **Analyzed: 06/28/05 -**

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**)	108%				
Toluene-d8 (SURR**)	110%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Sample: 376195 **Trip Blank** **Collected: 06/22/05** **Analyzed: 06/28/05 -**

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**)	87%				
Toluene-d8 (SURR**)	90%				
1-Bromo-4-Fluorobenzene (SURR**)	87%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90465**
Project Description: URS Xcel Equipment Blanks
Project Title: **Template: SAT2NSP** **Printed: 10/10/2005 11:31**

Sample: 376338 **NSP-SQEQUIPBLANK12-0605** **Collected: 06/23/05** **Analyzed: 06/28/05 -**

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**)	89%				
Toluene-d8 (SURR**)	93%				
1-Bromo-4-Fluorobenzene (SURR**)	89%				

Sample: 376339 **NSP-SQEQUIPBLANK13-0605** **Collected: 06/24/05** **Analyzed: 06/28/05 -**

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**)	87%				

Sample: 376340 **NSP-SE-SQFIELDBLANK-02-0605** **Collected: 06/24/05** **Analyzed: 06/28/05 -**

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**)	92%				
Toluene-d8 (SURR**)	99%				
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: 90475
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C2-1-0605-02 NLS ID: 375487
Ref. Line 1 COC 76428 Soil, NSP-SE-C2-1-0605-02 Matrix: SO
Collected: 06/16/05 15:02 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Sample comment	see comment					06/21/05	NA	721026460
	Sample bottle was received broken. Analysis was not possible.							

Soil, NSP-SE-C2-1-0605-04 NLS ID: 375488
Ref. Line 2 COC 76428 Soil, NSP-SE-C2-1-0605-04 Matrix: SO
Collected: 06/16/05 15:04 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	36.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-06 NLS ID: 375489
Ref. Line 3 COC 76428 Soil, NSP-SE-C2-1-0605-06 Matrix: SO
Collected: 06/16/05 15:06 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	45.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-08 NLS ID: 375490
Ref. Line 4 COC 76428 Soil, NSP-SE-C2-1-0605-08 Matrix: SO
Collected: 06/16/05 15:08 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	35.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-10 NLS ID: 375491
Ref. Line 5 COC 76428 Soil, NSP-SE-C2-1-0605-10 Matrix: SO
Collected: 06/16/05 15:10 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	64.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-12 NLS ID: 375492
Ref. Line 6 COC 76428 Soil, NSP-SE-C2-1-0605-12 Matrix: SO
Collected: 06/16/05 15:12 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	75.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	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: 90475
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C2-1-0605-14 NLS ID: 375493
Ref. Line 7 COC 76428 Soil, NSP-SE-C2-1-0605-14 Matrix: SO
Collected: 06/16/05 15:14 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-16 NLS ID: 375494
Ref. Line 8 COC 76428 Soil, NSP-SE-C2-1-0605-16 Matrix: SO
Collected: 06/16/05 15:16 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-18 NLS ID: 375495
Ref. Line 9 COC 76428 Soil, NSP-SE-C2-1-0605-18 Matrix: SO
Collected: 06/16/05 15:18 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-20 NLS ID: 375496
Ref. Line 10 COC 76428 Soil, NSP-SE-C2-1-0605-20 Matrix: SO
Collected: 06/16/05 15:20 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	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: 90475**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375488 **Soil, NSP-SE-C2-1-0605-04** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	56%				
2,4,6-Tribromophenol (SURR**)	61%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90475**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375489 **Soil, NSP-SE-C2-1-0605-06** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	57%				
2,4,6-Tribromophenol (SURR**)	60%				
Terphenyl-d14 (SURR**)	80%				

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: 90475**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375490 **Soil, NSP-SE-C2-1-0605-08** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	76%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	59%				
2,4,6-Tribromophenol (SURR**)	63%				
Terphenyl-d14 (SURR**)	82%				

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: 90475**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375491 **Soil, NSP-SE-C2-1-0605-10** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	54%				
2,4,6-Tribromophenol (SURR**)	69%				
Terphenyl-d14 (SURR**)	76%				

Additional non-target compounds present.

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: 90475**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375492 **Soil, NSP-SE-C2-1-0605-12** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	69%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	59%				
2,4,6-Tribromophenol (SURR**)	70%				
Terphenyl-d14 (SURR**)	85%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90475**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375493 **Soil, NSP-SE-C2-1-0605-14** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	61%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	84%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90475**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375494 **Soil, NSP-SE-C2-1-0605-16** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	89%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90475**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375495 **Soil, NSP-SE-C2-1-0605-18** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	77%				
Terphenyl-d14 (SURR**)	87%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90475**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:23**

Sample: 375496 **Soil, NSP-SE-C2-1-0605-20** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (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

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

NLS Project: 90476
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C2-1-0605-22 NLS ID: 375497
Ref. Line 1 COC 76429 Soil, NSP-SE-C2-1-0605-22 Matrix: SO
Collected: 06/16/05 15:22 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-24 NLS ID: 375498
Ref. Line 2 COC 76429 Soil, NSP-SE-C2-1-0605-24 Matrix: SO
Collected: 06/16/05 15:24 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-26 NLS ID: 375499
Ref. Line 3 COC 76429 Soil, NSP-SE-C2-1-0605-26 Matrix: SO
Collected: 06/16/05 15:26 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-28 NLS ID: 375500
Ref. Line 4 COC 76429 Soil, NSP-SE-C2-1-0605-28 Matrix: SO
Collected: 06/16/05 15:28 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-30 NLS ID: 375501
Ref. Line 5 COC 76429 Soil, NSP-SE-C2-1-0605-30 Matrix: SO
Collected: 06/16/05 15:30 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-32 NLS ID: 375502
Ref. Line 6 COC 76429 Soil, NSP-SE-C2-1-0605-32 Matrix: SO
Collected: 06/16/05 15:32 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	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: 90476
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C2-1-0605-34 NLS ID: 375503
Ref. Line 7 COC 76429 Soil, NSP-SE-C2-1-0605-34 Matrix: SO
Collected: 06/16/05 15:34 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-36 NLS ID: 375504
Ref. Line 8 COC 76429 Soil, NSP-SE-C2-1-0605-36 Matrix: SO
Collected: 06/16/05 15:36 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-38 NLS ID: 375505
Ref. Line 9 COC 76429 Soil, NSP-SE-C2-1-0605-38 Matrix: SO
Collected: 06/15/05 15:38 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-40 NLS ID: 375506
Ref. Line 10 COC 76429 Soil, NSP-SE-C2-1-0605-40 Matrix: SO
Collected: 06/15/05 15:40 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					06/26/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/22/05	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: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375497 **Soil, NSP-SE-C2-1-0605-22** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	77%				
Terphenyl-d14 (SURR**)	91%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375498 **Soil, NSP-SE-C2-1-0605-24** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	76%				
Terphenyl-d14 (SURR**)	89%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375499 **Soil, NSP-SE-C2-1-0605-26** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	73%				
Terphenyl-d14 (SURR**)	90%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375500 **Soil, NSP-SE-C2-1-0605-28** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	70%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	73%				
Terphenyl-d14 (SURR**)	86%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375501 **Soil, NSP-SE-C2-1-0605-30** **Collected: 06/16/05** **Analyzed: 06/27/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	69%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	77%				
Terphenyl-d14 (SURR**)	79%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375502 **Soil, NSP-SE-C2-1-0605-32** **Collected: 06/16/05** **Analyzed: 06/27/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	82%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375503 **Soil, NSP-SE-C2-1-0605-34** **Collected: 06/16/05** **Analyzed: 06/27/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	80%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375504 **Soil, NSP-SE-C2-1-0605-36** **Collected: 06/16/05** **Analyzed: 06/27/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	76%				
Terphenyl-d14 (SURR**)	83%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375505 **Soil, NSP-SE-C2-1-0605-38** **Collected: 06/16/05** **Analyzed: 06/27/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	60%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	62%				
2-Fluorobiphenyl (SURR**)	59%				
2,4,6-Tribromophenol (SURR**)	72%				
Terphenyl-d14 (SURR**)	78%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90476**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:26**

Sample: 375506 **Soil, NSP-SE-C2-1-0605-40** **Collected: 06/16/05** **Analyzed: 06/26/05 -**

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	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	83%				

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

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: 90477
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C2-1-0605-42 NLS ID: 375507
Ref. Line 1 COC 76430 Soil, NSP-SE-C2-1-0605-42 Matrix: SO
Collected: 06/16/05 15:42 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-44 NLS ID: 375508
Ref. Line 2 COC 76430 Soil, NSP-SE-C2-1-0605-44 Matrix: SO
Collected: 06/16/05 15:44 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-46 NLS ID: 375509
Ref. Line 3 COC 76430 Soil, NSP-SE-C2-1-0605-46 Matrix: SO
Collected: 06/16/05 15:46 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-48 NLS ID: 375510
Ref. Line 4 COC 76430 Soil, NSP-SE-C2-1-0605-48 Matrix: SO
Collected: 06/16/05 15:48 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-50 NLS ID: 375511
Ref. Line 5 COC 76430 Soil, NSP-SE-C2-1-0605-50 Matrix: SO
Collected: 06/16/05 15:50 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-52 NLS ID: 375512
Ref. Line 6 COC 76430 Soil, NSP-SE-C2-1-0605-52 Matrix: SO
Collected: 06/16/05 15:52 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	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: 90477
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C2-1-0605-54 NLS ID: 375513
Ref. Line 7 COC 76430 Soil, NSP-SE-C2-1-0605-54 Matrix: SO
Collected: 06/16/05 15:54 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.1	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-56 NLS ID: 375514
Ref. Line 8 COC 76430 Soil, NSP-SE-C2-1-0605-56 Matrix: SO
Collected: 06/16/05 15:56 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-58 NLS ID: 375515
Ref. Line 9 COC 76430 Soil, NSP-SE-C2-1-0605-58 Matrix: SO
Collected: 06/16/05 15:58 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C2-1-0605-60 MS/MSD NLS ID: 375516
Ref. Line 10 COC 76430 Soil, NSP-SE-C2-1-0605-60 MS/M Matrix: SO
Collected: 06/16/05 16:00 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	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: 90477**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375507 **Soil, NSP-SE-C2-1-0605-42** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	61%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	82%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375508 **Soil, NSP-SE-C2-1-0605-44** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	85%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375509 **Soil, NSP-SE-C2-1-0605-46** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	57%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	62%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	83%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375510 **Soil, NSP-SE-C2-1-0605-48** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	89%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375511 **Soil, NSP-SE-C2-1-0605-50** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	84%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375512 **Soil, NSP-SE-C2-1-0605-52** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	88%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375513 **Soil, NSP-SE-C2-1-0605-54** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	69%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	88%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375514 **Soil, NSP-SE-C2-1-0605-56** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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]flucranthene	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	135%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375515 **Soil, NSP-SE-C2-1-0605-58** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	87%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90477**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/06/2005 09:35**

Sample: 375516 **Soil, NSP-SE-C2-1-0605-60 MS/MSD** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	69%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	88%				

** 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: 90478
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C4-1-0605-02 NLS ID: 375517
Ref. Line 1 COC 76431 Soil, NSP-SE-C4-1-0605-02 Matrix: SO
Collected: 06/16/05 16:02 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	33.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-04 NLS ID: 375518
Ref. Line 2 COC 76431 Soil, NSP-SE-C4-1-0605-04 Matrix: SO
Collected: 06/16/05 16:04 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	41.1	%	1	0.10*		06/24/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-06 NLS ID: 375519
Ref. Line 3 COC 76431 Soil, NSP-SE-C4-1-0605-06 Matrix: SO
Collected: 06/16/05 16:06 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	38.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-08 NLS ID: 375520
Ref. Line 4 COC 76431 Soil, NSP-SE-C4-1-0605-08 Matrix: SO
Collected: 06/16/05 16:08 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	36.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/02/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-10 NLS ID: 375521
Ref. Line 5 COC 76431 Soil, NSP-SE-C4-1-0605-10 Matrix: SO
Collected: 06/16/05 16:10 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	33.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/02/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-12 NLS ID: 375522
Ref. Line 6 COC 76431 Soil, NSP-SE-C4-1-0605-12 Matrix: SO
Collected: 06/16/05 16:12 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	31.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/02/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	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: 90478
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C4-1-0605-14 NLS ID: 375523
Ref. Line 7 COC 76431 Soil, NSP-SE-C4-1-0605-14 Matrix: SO
Collected: 06/16/05 16:14 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	33.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/02/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-16 NLS ID: 375524
Ref. Line 8 COC 76431 Soil, NSP-SE-C4-1-0605-16 Matrix: SO
Collected: 06/16/05 16:16 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	32.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/02/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-18 NLS ID: 375525
Ref. Line 9 COC 76431 Soil, NSP-SE-C4-1-0605-18 Matrix: SO
Collected: 06/16/05 16:18 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	27.1	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/02/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-20 NLS ID: 375526
Ref. Line 10 COC 76431 Soil, NSP-SE-C4-1-0605-20 Matrix: SO
Collected: 06/16/05 16:20 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	33.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/02/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/23/05	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: 90478**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375517 **Soil, NSP-SE-C4-1-0605-02** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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	630	ug/Kg	5	170	570
Benzo[a]pyrene	790	ug/Kg	5	170	570
Benzo[b]fluoranthene	700	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	650	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	[600]	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	1000	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	76%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	89%				

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: 90478**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375518 **Soil, NSP-SE-C4-1-0605-04** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

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	1000	ug/Kg	5	170	570
Benzo[a]pyrene	1300	ug/Kg	5	170	570
Benzo[b]fluoranthene	1200	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	1100	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	1200	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	630	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	1900	ug/Kg	5	180	590
Benzo[e]pyrene	730	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	69%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	72%				
Terphenyl-d14 (SURR**)	86%				

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: 90478**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375519 **Soil, NSP-SE-C4-1-0605-06** **Collected: 06/16/05** **Analyzed: 07/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	[430]	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	1600	ug/Kg	5	170	570
Benzo[a]pyrene	1700	ug/Kg	5	170	570
Benzo[b]fluoranthene	1600	ug/Kg	5	190	630
Benzo[g,h,i]perylene	[440]	ug/Kg	5	160	540
Benzo[k]fluoranthene	640	ug/Kg	5	190	640
Chrysene	1500	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	1500	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	[420]	ug/Kg	5	160	520
2-Methylphenol	ND	ug/Kg	5	130	430
3 & 4-Methylphenol	ND	ug/Kg	5	270	960
Naphthalene	[420]	ug/Kg	5	150	510
Phenanthrene	680	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	2800	ug/Kg	5	180	590
Benzo[e]pyrene	900	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	74%				
Phenol-d5 (SURR**)	79%				
Nitrobenzene-d5 (SURR**)	80%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	76%				
Terphenyl-d14 (SURR**)	84%				

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: 90478**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375520 **Soil, NSP-SE-C4-1-0605-08** **Collected: 06/16/05** **Analyzed: 07/02/05 -**

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	[550]	ug/Kg	5	170	570
Benzo[a]pyrene	630	ug/Kg	5	170	570
Benzo[b]fluoranthene	[550]	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	[530]	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	680	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	[470]	ug/Kg	5	150	510
Phenanthrene	ND	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	1100	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	74%				
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: 90478**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375521 **Soil, NSP-SE-C4-1-0605-10** **Collected: 06/16/05** **Analyzed: 07/02/05 -**

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	[580]	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	72%				
Terphenyl-d14 (SURR**)	85%				

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: 90478**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375522 **Soil, NSP-SE-C4-1-0605-12** **Collected: 06/16/05** **Analyzed: 07/02/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	76%				
Nitrobenzene-d5 (SURR**)	80%				
2-Fluorobiphenyl (SURR**)	62%				
2,4,6-Tribromophenol (SURR**)	71%				
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.
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: 90478**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375523 **Soil, NSP-SE-C4-1-0605-14** **Collected: 06/16/05** **Analyzed: 07/02/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	69%				
Phenol-d5 (SURR**)	76%				
Nitrobenzene-d5 (SURR**)	80%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	71%				
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.

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: 90478**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375524 **Soil, NSP-SE-C4-1-0605-16** **Collected: 06/16/05** **Analyzed: 07/02/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	71%				
Terphenyl-d14 (SURR**)	84%				

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: 90478**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375525 **Soil, NSP-SE-C4-1-0605-18** **Collected: 06/16/05** **Analyzed: 07/02/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	81%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	72%				
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: 90478**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:35**

Sample: 375526 **Soil, NSP-SE-C4-1-0605-20** **Collected: 06/16/05** **Analyzed: 07/02/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	78%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	69%				
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.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 90479
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C4-1-0605-22 NLS ID: 375527
Ref. Line 1 COC 76432 Soil, NSP-SE-C4-1-0605-22 Matrix: SO
Collected: 06/16/05 16:22 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	30.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-24 NLS ID: 375528
Ref. Line 2 COC 76432 Soil, NSP-SE-C4-1-0605-24 Matrix: SO
Collected: 06/16/05 16:24 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	31.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-26 NLS ID: 375529
Ref. Line 3 COC 76432 Soil, NSP-SE-C4-1-0605-26 Matrix: SO
Collected: 06/16/05 16:26 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	39.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-28 NLS ID: 375530
Ref. Line 4 COC 76432 Soil, NSP-SE-C4-1-0605-28 Matrix: SO
Collected: 06/16/05 16:28 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	49.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-30 NLS ID: 375531
Ref. Line 5 COC 76432 Soil, NSP-SE-C4-1-0605-30 Matrix: SO
Collected: 06/16/05 16:30 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	55.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-32 NLS ID: 375532
Ref. Line 6 COC 76432 Soil, NSP-SE-C4-1-0605-32 Matrix: SO
Collected: 06/16/05 16:32 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	65.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90479
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C4-1-0605-34 NLS ID: 375533
Ref. Line 7 COC 76432 Soil, NSP-SE-C4-1-0605-34 Matrix: SO
Collected: 06/16/05 16:34 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	71.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-36 NLS ID: 375534
Ref. Line 8 COC 76432 Soil, NSP-SE-C4-1-0605-36 Matrix: SO
Collected: 06/16/05 16:36 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	54.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-38 NLS ID: 375535
Ref. Line 9 COC 76432 Soil, NSP-SE-C4-1-0605-38 Matrix: SO
Collected: 06/15/05 16:38 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	71.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-40 NLS ID: 375536
Ref. Line 10 COC 76432 Soil, NSP-SE-C4-1-0605-40 Matrix: SO
Collected: 06/16/05 16:40 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	78.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	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: 90479**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375527 **Soil, NSP-SE-C4-1-0605-22** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	58%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	75%				
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: 90479**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375528 **Soil, NSP-SE-C4-1-0605-24** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	70%				
Terphenyl-d14 (SURR**)	71%				

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: 90479**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375529 **Soil, NSP-SE-C4-1-0605-26** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	81%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90479**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375530 **Soil, NSP-SE-C4-1-0605-28** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	56%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	76%				
Terphenyl-d14 (SURR**)	80%				

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: 90479**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375531 **Soil, NSP-SE-C4-1-0605-30** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	62%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	63%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	75%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90479**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375532 **Soil, NSP-SE-C4-1-0605-32** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	62%				
2-Fluorobiphenyl (SURR**)	60%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	75%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90479**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375533 **Soil, NSP-SE-C4-1-0605-34** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	85%				
Terphenyl-d14 (SURR**)	76%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90479**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375534 **Soil, NSP-SE-C4-1-0605-36** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	78%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90479**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375535 **Soil, NSP-SE-C4-1-0605-38** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	74%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90479**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:39**

Sample: 375536 **Soil, NSP-SE-C4-1-0605-40** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	62%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	78%				

** 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: 90480
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C4-1-0605-42 NLS ID: 375537
Ref. Line 1 COC 76433 Soil, NSP-SE-C4-1-0605-42 Matrix: SO
Collected: 06/16/05 16:42 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-44 NLS ID: 375538
Ref. Line 2 COC 76433 Soil, NSP-SE-C4-1-0605-44 Matrix: SO
Collected: 06/16/05 16:44 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	78.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-46 NLS ID: 375539
Ref. Line 3 COC 76433 Soil, NSP-SE-C4-1-0605-46 Matrix: SO
Collected: 06/16/05 16:46 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-48 NLS ID: 375540
Ref. Line 4 COC 76433 Soil, NSP-SE-C4-1-0605-48 Matrix: SO
Collected: 06/16/05 16:48 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	83.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-50 NLS ID: 375541
Ref. Line 5 COC 76433 Soil, NSP-SE-C4-1-0605-50 Matrix: SO
Collected: 06/16/05 16:50 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	77.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-52 NLS ID: 375542
Ref. Line 6 COC 76433 Soil, NSP-SE-C4-1-0605-52 Matrix: SO
Collected: 06/16/05 16:52 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90480
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: *URS Xcel Radio Dating*

Soil, NSP-SE-C4-1-0605-54 NLS ID: 375543
Ref. Line 7 COC 76433 Soil, NSP-SE-C4-1-0605-54 Matrix: SO
Collected: 06/16/05 16:54 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	79.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-56 NLS ID: 375544
Ref. Line 8 COC 76433 Soil, NSP-SE-C4-1-0605-56 Matrix: SO
Collected: 06/16/05 16:56 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-58 NLS ID: 375545
Ref. Line 9 COC 76433 Soil, NSP-SE-C4-1-0605-58 Matrix: SO
Collected: 06/16/05 16:58 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	SW846 3550B	721026460

Soil, NSP-SE-C4-1-0605-60 MS/MSD NLS ID: 375546
Ref. Line 10 COC 76433 Soil, NSP-SE-C4-1-0605-60 Matrix: SO
Collected: 06/16/05 17:00 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/24/05	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: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375537 **Soil, NSP-SE-C4-1-0605-42** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	64%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	79%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375538 **Soil, NSP-SE-C4-1-0605-44** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	75%				
2,4,6-Tribromophenol (SURR**)	92%				
Terphenyl-d14 (SURR**)	87%				

Customer: URS Corporation (Milwaukee) **NLS Project: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375539 **Soil, NSP-SE-C4-1-0605-46** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	90%				
Terphenyl-d14 (SURR**)	85%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375540 **Soil, NSP-SE-C4-1-0605-48** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	91%				
Terphenyl-d14 (SURR**)	85%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375541 **Soil, NSP-SE-C4-1-0605-50** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	72%				
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: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375542 **Soil, NSP-SE-C4-1-0605-52** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	74%				
2,4,6-Tribromophenol (SURR**)	91%				
Terphenyl-d14 (SURR**)	86%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375543 **Soil, NSP-SE-C4-1-0605-54** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	91%				
Terphenyl-d14 (SURR**)	86%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375544 **Soil, NSP-SE-C4-1-0605-56** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	64%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	82%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375545 **Soil, NSP-SE-C4-1-0605-58** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	69%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	79%				
2,4,6-Tribromophenol (SURR**)	99%				
Terphenyl-d14 (SURR**)	90%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90480**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:37**

Sample: 375546 **Soil, NSP-SE-C4-1-0605-60 MS/MSD** **Collected: 06/16/05** **Analyzed: 07/05/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	74%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	78%				
2-Fluorobiphenyl (SURR**)	80%				
2,4,6-Tribromophenol (SURR**)	91%				
Terphenyl-d14 (SURR**)	93%				

Additional non-target compounds present.

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.

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: 90481
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-SQDUP02-0605 NLS ID: 375547
Ref. Line 1 COC 77074 Soil, NSP-SE-SQDUP02-0605 Matrix: SO
Collected: 06/16/05 16:01 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-SQDUP03-0605 NLS ID: 375548
Ref. Line 2 COC 77074 Soil, NSP-SE-SQDUP03-0605 Matrix: SO
Collected: 06/16/05 16:51 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	79.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-SQDUP05-0605 NLS ID: 375549
Ref. Line 3 COC 77074 Soil, NSP-SE-SQDUP05-0605 Matrix: SO
Collected: 06/16/05 17:37 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-SQDUP06-0605 NLS ID: 375550
Ref. Line 4 COC 77074 Soil, NSP-SE-SQDUP06-0605 Matrix: SO
Collected: 06/17/05 14:01 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-SQDUP07-0605 NLS ID: 375551
Ref. Line 5 COC 77074 Soil, NSP-SE-SQDUP07-0605 Matrix: SO
Collected: 06/17/05 14:37 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.1	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-SQDUP08-0605 NLS ID: 375552
Ref. Line 6 COC 77074 Soil, NSP-SE-SQDUP08-0605 Matrix: SO
Collected: 06/19/05 08:39 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	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: 90481
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: URS Xcel Radio Dating

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: 90481**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:34**

Sample: 375547 **Soil, NSP-SE-SQDUP02-0605** **Collected: 06/16/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	58%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	61%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	67%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90481**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:34**

Sample: 375548 **Soil, NSP-SE-SQDUP03-0605** **Collected: 06/16/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	57%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	62%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	87%				
Terphenyl-d14 (SURR**)	69%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90481**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:34**

Sample: 375549 ***Soil, NSP-SE-SQDUP05-0605*** ***Collected: 06/16/05*** ***Analyzed: 07/11/05 -***

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	62%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	70%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90481**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:34**

Sample: 375550 **Soil, NSP-SE-SQDUP06-0605** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	58%				
Phenol-d5 (SURR**)	62%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	91%				
Terphenyl-d14 (SURR**)	71%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90481**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:34**

Sample: 375551 **Soil, NSP-SE-SQDUP07-0605** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	92%				
Terphenyl-d14 (SURR**)	72%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90481**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:34**

Sample: 375552 **Soil, NSP-SE-SQDUP08-0605** **Collected: 06/19/05** **Analyzed: 07/11/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	760	ug/Kg	1	32	110
Acenaphthylene	ND	ug/Kg	1	31	100
Anthracene	240	ug/Kg	1	38	130
Benzo[a]anthracene	[70]	ug/Kg	1	34	110
Benzo[a]pyrene	[50]	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	[61]	ug/Kg	1	36	120
Dibenzo[a,h]anthracene	ND	ug/Kg	1	34	110
Dibenzofuran	[100]	ug/Kg	1	32	110
Fluoranthene	170	ug/Kg	1	37	120
Fluorene	350	ug/Kg	1	32	110
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	1	31	100
1-Methylnaphthalene	760	ug/Kg	1	32	110
2-Methylnaphthalene	1100	ug/Kg	1	31	100
2-Methylphenol	ND	ug/Kg	1	26	87
3 & 4-Methylphenol	ND	ug/Kg	1	55	190
Naphthalene	1200	ug/Kg	1	31	100
Phenanthrene	900	ug/Kg	1	37	120
Phenol	ND	ug/Kg	1	28	94
Pyrene	210	ug/Kg	1	36	120
Benzo[e]pyrene	ND	ug/Kg	1	38	130
Biphenyl	130	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	360	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	[83]	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	93%				
Terphenyl-d14 (SURR**)	72%				

** 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

Project: URS Xcel Radio Dating

NLS Project: 90482
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-C1-0605-02 NLS ID: 375553
Ref. Line 1 COC 76435 Soil, NSP-SE-C1-0605-02 Matrix: SO
Collected: 06/16/05 17:02 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-0605-04 NLS ID: 375554
Ref. Line 2 COC 76435 Soil, NSP-SE-C1-0605-04 Matrix: SO
Collected: 06/16/05 17:04 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-0605-06 NLS ID: 375555
Ref. Line 3 COC 76435 Soil, NSP-SE-C1-0605-06 Matrix: SO
Collected: 06/16/05 17:06 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-0605-08 NLS ID: 375556
Ref. Line 4 COC 76435 Soil, NSP-SE-C1-0605-08 Matrix: SO
Collected: 06/16/05 17:08 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-0605-10 NLS ID: 375557
Ref. Line 5 COC 76435 Soil, NSP-SE-C1-0605-10 Matrix: SO
Collected: 06/16/05 17:10 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-0605-12 NLS ID: 375558
Ref. Line 6 COC 76435 Soil, NSP-SE-C1-0605-12 Matrix: SO
Collected: 06/16/05 17:12 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	86.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

NORTHERN [redacted] E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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ANALYTICAL REPORT

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

NLS Project: 90482
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: URS Xcel Radio Dating

Soil, NSP-SE-C1-0605-14 NLS ID: 375559
Ref. Line 7 COC 76435 Soil, NSP-SE-C1-0605-14 Matrix: SO
Collected: 06/16/05 17:14 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	86.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-0605-16 NLS ID: 375560
Ref. Line 8 COC 76435 Soil, NSP-SE-C1-0605-16 Matrix: SO
Collected: 06/16/05 17:16 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-0605-18 NLS ID: 375561
Ref. Line 9 COC 76435 Soil, NSP-SE-C1-0605-18 Matrix: SO
Collected: 06/16/05 17:18 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	86.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-0605-20 NLS ID: 375562
Ref. Line 10 COC 76435 Soil, NSP-SE-C1-0605-20 Matrix: SO
Collected: 06/16/05 17:20 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/07/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	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: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375553 **Soil, NSP-SE-C1-0605-02** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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	[410]	ug/Kg	5	170	570
Benzo[a]pyrene	590	ug/Kg	5	170	570
Benzo[b]fluoranthene	[540]	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	[430]	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	[400]	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	710	ug/Kg	5	180	590
Benzo[e]pyrene	[330]	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	77%				
Phenol-d5 (SURR**)	82%				
Nitrobenzene-d5 (SURR**)	80%				
2-Fluorobiphenyl (SURR**)	84%				
2,4,6-Tribromophenol (SURR**)	92%				
Terphenyl-d14 (SURR**)	85%				

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: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375554 **Soil, NSP-SE-C1-0605-04** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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	[420]	ug/Kg	5	170	570
Benzo[a]pyrene	[550]	ug/Kg	5	170	570
Benzo[b]fluoranthene	[470]	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	[420]	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	[370]	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	680	ug/Kg	5	180	590
Benzo[e]pyrene	[320]	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	81%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375555 **Soil, NSP-SE-C1-0605-06** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	[210]	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	730	ug/Kg	5	170	570
Benzo[a]pyrene	950	ug/Kg	5	170	570
Benzo[b]fluoranthene	750	ug/Kg	5	190	630
Benzo[g,h,i]perylene	[300]	ug/Kg	5	160	540
Benzo[k]fluoranthene	[290]	ug/Kg	5	190	640
Chrysene	760	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	750	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	1400	ug/Kg	5	180	590
Benzo[e]pyrene	[550]	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	58%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	85%				

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: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375556 **Soil, NSP-SE-C1-0605-08** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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	[41]	ug/Kg	1	34	110
Benzo[a]pyrene	[46]	ug/Kg	1	34	110
Benzo[b]fluoranthene	[55]	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	[65]	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	[110]	ug/Kg	1	36	120
Benzo[e]pyrene	ND	ug/Kg	1	38	130
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	64%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	85%				
Terphenyl-d14 (SURR**)	80%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375557 **Soil, NSP-SE-C1-0605-10** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	74%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375558 **Soil, NSP-SE-C1-0605-12** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	75%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375559 **Soil, NSP-SE-C1-0605-14** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	64%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	77%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90482**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375560 **Soil, NSP-SE-C1-0605-16** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	57%				
Phenol-d5 (SURR**)	58%				
Nitrobenzene-d5 (SURR**)	61%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	76%				

Customer: URS Corporation (Milwaukee) **NLS Project: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375561 **Soil, NSP-SE-C1-0605-18** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	60%				
Nitrobenzene-d5 (SURR**)	62%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	76%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90482**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/13/2005 06:48**

Sample: 375562 **Soil, NSP-SE-C1-0605-20** **Collected: 06/16/05** **Analyzed: 07/07/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	61%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	77%				

** 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: 90483
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil NSP-SE-C1-1-0605-22 NLS ID: 375563
Ref. Line 1 COC 76434 Soil NSP-SE-C1-1-0605-22 Matrix: SO
Collected: 06/16/05 17:22 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil NSP-SE-C1-1-0605-24 NLS ID: 375564
Ref. Line 2 COC 76434 Soil NSP-SE-C1-1-0605-24 Matrix: SO
Collected: 06/16/05 17:24 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil NSP-SE-C1-1-0605-26 NLS ID: 375565
Ref. Line 3 COC 76434 Soil NSP-SE-C1-1-0605-26 Matrix: SO
Collected: 06/16/05 17:26 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil NSP-SE-C1-1-0605-28 NLS ID: 375566
Ref. Line 4 COC 76434 Soil NSP-SE-C1-1-0605-28 Matrix: SO
Collected: 06/16/05 17:28 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil NSP-SE-C1-1-0605-30 NLS ID: 375567
Ref. Line 5 COC 76434 Soil NSP-SE-C1-1-0605-30 Matrix: SO
Collected: 06/16/05 17:30 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.1	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil NSP-SE-C1-1-0605-32 NLS ID: 375568
Ref. Line 6 COC 76434 Soil NSP-SE-C1-1-0605-32 Matrix: SO
Collected: 06/16/05 17:32 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	83.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	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: 90483
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil NSP-SE-C1-1-0605-34 NLS ID: 375569
Ref. Line 7 COC 76434 Soil NSP-SE-C1-1-0605-34 Matrix: SO
Collected: 06/16/05 17:34 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil NSP-SE-C1-1-0605-36 NLS ID: 375570
Ref. Line 8 COC 76434 Soil NSP-SE-C1-1-0605-36 Matrix: SO
Collected: 06/16/05 17:36 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil NSP-SE-C1-1-0605-38 NLS ID: 375571
Ref. Line 9 COC 76434 Soil NSP-SE-C1-1-0605-38 Matrix: SO
Collected: 06/16/05 17:38 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	86.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil NSP-SE-C1-1-0605-40 NLS ID: 375572
Ref. Line 10 COC 76434 Soil NSP-SE-C1-1-0605-40 Matrix: SO
Collected: 06/16/05 17:40 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/06/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	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: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375563 **Soil NSP-SE-C1-1-0605-22** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	76%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375564 **Soil NSP-SE-C1-1-0605-24** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	87%				
Terphenyl-d14 (SURR**)	78%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375565 **Soil NSP-SE-C1-1-0605-26** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	76%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375566 **Soil NSP-SE-C1-1-0605-28** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	80%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375567 **Soil NSP-SE-C1-1-0605-30** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	56%				
Phenol-d5 (SURR**)	59%				
Nitrobenzene-d5 (SURR**)	60%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	73%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375568 **Soil NSP-SE-C1-1-0605-32** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	72%				
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: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375569 **Soil NSP-SE-C1-1-0605-34** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	74%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375570 **Soil NSP-SE-C1-1-0605-36** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	75%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375571 **Soil NSP-SE-C1-1-0605-38** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	88%				
Terphenyl-d14 (SURR**)	79%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90483**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375572 **Soil NSP-SE-C1-1-0605-40** **Collected: 06/16/05** **Analyzed: 07/06/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	78%				

** 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: 90484
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C1-1-0605-42 NLS ID: 375573
Ref. Line 1 COC 77319 Soil, NSP-SE-C1-1-0605-42 Matrix: SO
Collected: 06/16/05 17:42 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-1-0605-44 NLS ID: 375574
Ref. Line 2 COC 77319 Soil, NSP-SE-C1-1-0605-44 Matrix: SO
Collected: 06/16/05 17:44 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-1-0605-46 NLS ID: 375575
Ref. Line 3 COC 77319 Soil, NSP-SE-C1-1-0605-46 Matrix: SO
Collected: 06/16/05 17:46 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	82.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-1-0605-48 NLS ID: 375576
Ref. Line 4 COC 77319 Soil, NSP-SE-C1-1-0605-48 Matrix: SO
Collected: 06/16/05 17:48 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-1-0605-50 NLS ID: 375577
Ref. Line 5 COC 77319 Soil, NSP-SE-C1-1-0605-50 Matrix: SO
Collected: 06/16/05 17:50 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	83.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-1-0605-52 NLS ID: 375578
Ref. Line 6 COC 77319 Soil, NSP-SE-C1-1-0605-52 Matrix: SO
Collected: 06/16/05 17:52 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	79.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	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: 90484
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C1-1-0605-54 NLS ID: 375579
Ref. Line 7 COC 77319 Soil, NSP-SE-C1-1-0605-54 Matrix: SO
Collected: 06/16/05 17:54 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	80.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-1-0605-56 NLS ID: 375580
Ref. Line 8 COC 77319 Soil, NSP-SE-C1-1-0605-56 Matrix: SO
Collected: 06/16/05 17:56 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.1	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-1-0605-58 NLS ID: 375581
Ref. Line 9 COC 77319 Soil, NSP-SE-C1-1-0605-58 Matrix: SO
Collected: 06/16/05 17:58 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	81.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	SW846 3550B	721026460

Soil, NSP-SE-C1-1-0605-60 MS/MSD NLS ID: 375582
Ref. Line 10 COC 77319 Soil, NSP-SE-C1-1-0605-60 MS/M Matrix: SO
Collected: 06/16/05 18:00 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	79.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/08/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/25/05	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: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375573 **Soil, NSP-SE-C1-1-0605-42** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	77%				
Terphenyl-d14 (SURR**)	73%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375574 **Soil, NSP-SE-C1-1-0605-44** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	85%				
Terphenyl-d14 (SURR**)	80%				

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375575 **Soil, NSP-SE-C1-1-0605-46** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	76%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375576 **Soil, NSP-SE-C1-1-0605-48** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	79%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375577 **Soil, NSP-SE-C1-1-0605-50** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	60%				
Phenol-d5 (SURR**)	62%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	76%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375578 **Soil, NSP-SE-C1-1-0605-52** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	77%				

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375579 **Soil, NSP-SE-C1-1-0605-54** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	57%				
Phenol-d5 (SURR**)	58%				
Nitrobenzene-d5 (SURR**)	63%				
2-Fluorobiphenyl (SURR**)	62%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	70%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375580 **Soil, NSP-SE-C1-1-0605-56** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	62%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	76%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375581 **Soil, NSP-SE-C1-1-0605-58** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	78%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90484**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:47**

Sample: 375582 **Soil, NSP-SE-C1-1-0605-60 MS/MSD** **Collected: 06/16/05** **Analyzed: 07/08/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	60%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	75%				

** 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: 90485
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C5-1-0605-02 NLS ID: 375583
Ref. Line 1 COC 77320 Soil, NSP-SE-C5-1-0605-02 Matrix: SO
Collected: 06/17/05 13:02 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	42.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-C5-1-0605-04 NLS ID: 375584
Ref. Line 2 COC 77320 Soil, NSP-SE-C5-1-0605-04 Matrix: SO
Collected: 06/17/05 13:04 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	36.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-C5-1-0605-06 NLS ID: 375585
Ref. Line 3 COC 77320 Soil, NSP-SE-C5-1-0605-06 Matrix: SO
Collected: 06/17/05 13:06 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	31.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-C5-1-0605-08 NLS ID: 375586
Ref. Line 4 COC 77320 Soil, NSP-SE-C5-1-0605-08 Matrix: SO
Collected: 06/17/05 13:08 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	31.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-C5-1-0605-10 NLS ID: 375587
Ref. Line 5 COC 77320 Soil, NSP-SE-C5-1-0605-10 Matrix: SO
Collected: 06/17/05 13:10 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	27.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-C5-1-0605-12 NLS ID: 375588
Ref. Line 6 COC 77320 Soil, NSP-SE-C5-1-0605-12 Matrix: SO
Collected: 06/17/05 13:12 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	27.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	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: 90485
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C5-1-0605-14 NLS ID: 375589
Ref. Line 7 COC 77320 Soil, NSP-SE-C5-1-0605-14 Matrix: SO
Collected: 06/17/05 13:14 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	21.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-C5-1-0605-16 NLS ID: 375590
Ref. Line 8 COC 77320 Soil, NSP-SE-C5-1-0605-16 Matrix: SO
Collected: 06/17/05 13:16 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	21.4	%	1	0.10*		06/24/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-C5-1-0605-18 NLS ID: 375591
Ref. Line 9 COC 77320 Soil, NSP-SE-C5-1-0605-18 Matrix: SO
Collected: 06/17/05 13:18 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	29.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	SW846 3550B	721026460

Soil, NSP-SE-C5-1-0605-20 NLS ID: 375592
Ref. Line 10 COC 77320 Soil, NSP-SE-C5-1-0605-20 Matrix: SO
Collected: 06/17/05 13:20 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	62.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/11/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/26/05	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: 90485**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375583 **Soil, NSP-SE-CS-1-0605-02** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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	[440]	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	[550]	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	75%				
Phenol-d5 (SURR**)	82%				
Nitrobenzene-d5 (SURR**)	82%				
2-Fluorobiphenyl (SURR**)	75%				
2,4,6-Tribromophenol (SURR**)	96%				
Terphenyl-d14 (SURR**)	80%				

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: 90485**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375584 **Soil, NSP-SE-C5-1-0605-04** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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	[570]	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	69%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	82%				
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: 90485**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375585 **Soil, NSP-SE-C5-1-0605-06** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	70%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	95%				
Terphenyl-d14 (SURR**)	82%				

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: 90485**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375586 **Soil, NSP-SE-C5-1-0605-08** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	75%				
2,4,6-Tribromophenol (SURR**)	92%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90485**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375587 **Soil, NSP-SE-C5-1-0605-10** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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	590	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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	79%				
Nitrobenzene-d5 (SURR**)	80%				
2-Fluorobiphenyl (SURR**)	80%				
2,4,6-Tribromophenol (SURR**)	91%				
Terphenyl-d14 (SURR**)	84%				

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: 90485**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375588 **Soil, NSP-SE-C5-1-0605-12** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	19%				
Phenol-d5 (SURR**)	21%				
Nitrobenzene-d5 (SURR**)	21%				
2-Fluorobiphenyl (SURR**)	20%				
2,4,6-Tribromophenol (SURR**)	26%				
Terphenyl-d14 (SURR**)	24%				

Surrogate recoveries for 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, and 2-Fluorobiphenyl were outside QC limits.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90485**

Project Description: URS Xcel Radio Dating

Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375589 **Soil, NSP-SE-C5-1-0605-14** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	71%				

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: 90485**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375590 **Soil, NSP-SE-C5-1-0605-16** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	61%				
2,4,6-Tribromophenol (SURR**)	78%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90485**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375591 ***Soil, NSP-SE-C5-1-0605-18*** ***Collected: 06/17/05*** ***Analyzed: 07/11/05 -***

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	88%				
Terphenyl-d14 (SURR**)	82%				

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: 90485**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 07/19/2005 12:35**

Sample: 375592 **Soil, NSP-SE-C5-1-0605-20** **Collected: 06/17/05** **Analyzed: 07/11/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	82%				

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Analyzed past 12 hour DFTPP clock. All surrogate recoveries and internal standard areas were within QC limits.

** 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
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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: 90488
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C3-1-0605-02 NLS ID: 375613
Ref. Line 1 COC 77323 Soil, NSP-SE-C3-1-0605-02 Matrix: SO
Collected: 06/17/05 14:02 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	32.1	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-04 NLS ID: 375614
Ref. Line 2 COC 77323 Soil, NSP-SE-C3-1-0605-04 Matrix: SO
Collected: 06/17/05 14:04 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	35.3	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-06 NLS ID: 375615
Ref. Line 3 COC 77323 Soil, NSP-SE-C3-1-0605-06 Matrix: SO
Collected: 06/17/05 14:06 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	41.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-08 NLS ID: 375616
Ref. Line 4 COC 77323 Soil, NSP-SE-C3-1-0605-08 Matrix: SO
Collected: 06/17/05 14:08 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	30.1	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-10 NLS ID: 375617
Ref. Line 5 COC 77323 Soil, NSP-SE-C3-1-0605-10 Matrix: SO
Collected: 06/17/05 14:10 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	25.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-12 NLS ID: 375618
Ref. Line 6 COC 77323 Soil, NSP-SE-C3-1-0605-12 Matrix: SO
Collected: 06/17/05 14:12 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	31.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 90488
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: *URS Xcel Radio Dating*

Soil, NSP-SE-C3-1-0605-14 NLS ID: 375619
Ref. Line 7 COC 77323 Soil, NSP-SE-C3-1-0605-14 Matrix: SO
Collected: 06/17/05 14:14 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	38.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-16 NLS ID: 375620
Ref. Line 8 COC 77323 Soil, NSP-SE-C3-1-0605-16 Matrix: SO
Collected: 06/17/05 14:16 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	46.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-18 NLS ID: 375621
Ref. Line 9 COC 77323 Soil, NSP-SE-C3-1-0605-18 Matrix: SO
Collected: 06/17/05 14:18 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	64.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-20 NLS ID: 375622
Ref. Line 10 COC 77323 Soil, NSP-SE-C3-1-0605-20 Matrix: SO
Collected: 06/17/05 14:20 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	41.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/27/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	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: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375613 **Soil, NSP-SE-C3-1-0605-02** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	1200	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	2800	ug/Kg	5	170	570
Benzo[a]pyrene	3900	ug/Kg	5	170	570
Benzo[b]fluoranthene	3400	ug/Kg	5	190	630
Benzo[g,h,i]perylene	1400	ug/Kg	5	160	540
Benzo[k]fluoranthene	1100	ug/Kg	5	190	640
Chrysene	2700	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	2600	ug/Kg	5	190	620
Fluorene	ND	ug/Kg	5	160	540
Indeno[1,2,3-cd]pyrene	980	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	1100	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	4500	ug/Kg	5	180	590
Benzo[e]pyrene	2300	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	[790]	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	77%				
Phenol-d5 (SURR**)	83%				
Nitrobenzene-d5 (SURR**)	83%				
2-Fluorobiphenyl (SURR**)	79%				
2,4,6-Tribromophenol (SURR**)	88%				
Terphenyl-d14 (SURR**)	89%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375614 **Soil, NSP-SE-C3-1-0605-04** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	730	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	1700	ug/Kg	5	170	570
Benzo[a]pyrene	2400	ug/Kg	5	170	570
Benzo[b]fluoranthene	2200	ug/Kg	5	190	630
Benzo[g,h,i]perylene	840	ug/Kg	5	160	540
Benzo[k]fluoranthene	700	ug/Kg	5	190	640
Chrysene	1700	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	520	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	630	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	2800	ug/Kg	5	180	590
Benzo[e]pyrene	1400	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	70%				
Phenol-d5 (SURR**)	76%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	76%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375615 **Soil, NSP-SE-C3-1-0605-06** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	[430]	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	1100	ug/Kg	5	170	570
Benzo[a]pyrene	1400	ug/Kg	5	170	570
Benzo[b]fluoranthene	1200	ug/Kg	5	190	630
Benzo[g,h,i]perylene	[430]	ug/Kg	5	160	540
Benzo[k]fluoranthene	[560]	ug/Kg	5	190	640
Chrysene	1100	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	1100	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	2000	ug/Kg	5	180	590
Benzo[e]pyrene	880	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	78%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	90%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375616 **Soil, NSP-SE-C3-1-0605-08** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	560	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	1600	ug/Kg	5	170	570
Benzo[a]pyrene	1900	ug/Kg	5	170	570
Benzo[b]fluoranthene	1800	ug/Kg	5	190	630
Benzo[g,h,i]perylene	570	ug/Kg	5	160	540
Benzo[k]fluoranthene	ND	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	2000	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	670	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	3600	ug/Kg	5	180	590
Benzo[e]pyrene	1200	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	73%				
Phenol-d5 (SURR**)	80%				
Nitrobenzene-d5 (SURR**)	80%				
2-Fluorobiphenyl (SURR**)	82%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	91%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375617 **Soil, NSP-SE-C3-1-0605-10** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

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	2700	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	78%				
Nitrobenzene-d5 (SURR**)	81%				
2-Fluorobiphenyl (SURR**)	82%				
2,4,6-Tribromophenol (SURR**)	87%				
Terphenyl-d14 (SURR**)	89%				

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: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375618 **Soil, NSP-SE-C3-1-0605-12** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

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	ND	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	6%				
2,4,6-Tribromophenol (SURR**)	78%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375619 **Soil, NSP-SE-C3-1-0605-14** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

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	[460]	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	70%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	88%				
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: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375620 **Soil, NSP-SE-C3-1-0605-16** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	82%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375621 **Soil, NSP-SE-C3-1-0605-18** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	80%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	89%				

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: 90488**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:48**

Sample: 375622 **Soil, NSP-SE-C3-1-0605-20** **Collected: 06/17/05** **Analyzed: 07/27/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	84%				

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.

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: 90489
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C3-1-0605-22 NLS ID: 375623
Ref. Line 1 COC 77324 Soil, NSP-SE-C3-1-0605-22 Matrix: SO
Collected: 06/17/05 14:22 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	61.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-24 NLS ID: 375624
Ref. Line 2 COC 77324 Soil, NSP-SE-C3-1-0605-24 Matrix: SO
Collected: 06/17/05 14:24 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	58.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-26 NLS ID: 375625
Ref. Line 3 COC 77324 Soil, NSP-SE-C3-1-0605-26 Matrix: SO
Collected: 06/17/05 14:26 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	55.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-28 NLS ID: 375626
Ref. Line 4 COC 77324 Soil, NSP-SE-C3-1-0605-28 Matrix: SO
Collected: 06/17/05 14:28 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	65.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	analysis cancelled					08/12/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-30 NLS ID: 375627
Ref. Line 5 COC 77324 Soil, NSP-SE-C3-1-0605-30 Matrix: SO
Collected: 06/17/05 14:30 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	76.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	analysis cancelled					08/12/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-32 NLS ID: 375628
Ref. Line 6 COC 77324 Soil, NSP-SE-C3-1-0605-32 Matrix: SO
Collected: 06/17/05 14:32 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	79.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	analysis cancelled					08/12/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90489
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C3-1-0605-34 NLS ID: 375629
Ref. Line 7 COC 77324 Soil, NSP-SE-C3-1-0605-34 Matrix: SO
Collected: 06/17/05 14:34 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	analysis cancelled					08/12/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-36 NLS ID: 375630
Ref. Line 8 COC 77324 Soil, NSP-SE-C3-1-0605-36 Matrix: SO
Collected: 06/17/05 14:36 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	analysis cancelled					08/12/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-38 NLS ID: 375631
Ref. Line 9 COC 77324 Soil, NSP-SE-C3-1-0605-38 Matrix: SO
Collected: 06/17/05 14:38 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	analysis cancelled					08/12/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	SW846 3550B	721026460

Soil, NSP-SE-C3-1-0605-40 NLS ID: 375632
Ref. Line 10 COC 77324 Soil, NSP-SE-C3-1-0605-40 Matrix: SO
Collected: 06/17/05 14:40 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	analysis cancelled					08/12/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/28/05	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: 90489**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:49**

Sample: 375623 **Soil, NSP-SE-C3-1-0605-22** **Collected: 06/17/05** **Analyzed: 08/05/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	80%				
Nitrobenzene-d5 (SURR**)	78%				
2-Fluorobiphenyl (SURR**)	75%				
2,4,6-Tribromophenol (SURR**)	72%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90489**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:49**

Sample: 375624 **Soil, NSP-SE-C3-1-0605-24** **Collected: 06/17/05** **Analyzed: 08/05/05 -**

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
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	57%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	71%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90489**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:49**

Sample: 375625 **Soil, NSP-SE-C3-1-0605-26** **Collected: 06/17/05** **Analyzed: 08/05/05 -**

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
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	74%				
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.

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

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Analytical Laboratory and Environmental Services
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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

Printed: 08/15/05 Code: S

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

NLS Project: 90491
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C6-1B-0605-02 NLS ID: 375643
Ref. Line 1 COC 77326 Soil, NSP-SE-C6-1B-0605-02 Matrix: SO
Collected: 06/19/05 08:02 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	48.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-04 NLS ID: 375644
Ref. Line 2 COC 77326 Soil, NSP-SE-C6-1B-0605-04 Matrix: SO
Collected: 06/19/05 08:04 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	52.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-06 NLS ID: 375645
Ref. Line 3 COC 77326 Soil, NSP-SE-C6-1B-0605-06 Matrix: SO
Collected: 06/19/05 08:06 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	77.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-08 NLS ID: 375646
Ref. Line 4 COC 77326 Soil, NSP-SE-C6-1B-0605-08 Matrix: SO
Collected: 06/19/05 08:08 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	62.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-10 NLS ID: 375647
Ref. Line 5 COC 77326 Soil, NSP-SE-C6-1B-0605-10 Matrix: SO
Collected: 06/19/05 08:10 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	60.1	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-12 NLS ID: 375648
Ref. Line 6 COC 77326 Soil, NSP-SE-C6-1B-0605-12 Matrix: SO
Collected: 06/19/05 08:12 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	51.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90491
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: URS Xcel Radio Dating

Soil, NSP-SE-C6-1B-0605-14 NLS ID: 375649
Ref. Line 7 COC 77326 Soil, NSP-SE-C6-1B-0605-14 Matrix: SO
Collected: 06/19/05 08:14 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	52.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-16 NLS ID: 375650
Ref. Line 8 COC 77326 Soil, NSP-SE-C6-1B-0605-16 Matrix: SO
Collected: 06/19/05 08:16 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	34.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-18 NLS ID: 375651
Ref. Line 9 COC 77326 Soil, NSP-SE-C6-1B-0605-18 Matrix: SO
Collected: 06/19/05 08:18 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	43.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-20 NLS ID: 375652
Ref. Line 10 COC 77326 Soil, NSP-SE-C6-1B-0605-20 Matrix: SO
Collected: 06/19/05 08:20 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	52.9	%	1	0.10*		06/24/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/01/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/29/05	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: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375643 **Soil, NSP-SE-C6-1B-0605-02** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1500	ug/Kg	10	320	1100
Acenaphthylene	ND	ug/Kg	10	310	1000
Anthracene	ND	ug/Kg	10	380	1300
Benzo[a]anthracene	[780]	ug/Kg	10	340	1100
Benzo[a]pyrene	[750]	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	[780]	ug/Kg	10	360	1200
Dibenzo[a,h]anthracene	ND	ug/Kg	10	340	1100
Dibenzofuran	ND	ug/Kg	10	320	1100
Fluoranthene	1300	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	2300	ug/Kg	10	320	1100
2-Methylnaphthalene	2800	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	4000	ug/Kg	10	310	1000
Phenanthrene	1700	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	2000	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	74%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	82%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375644 **Soil, NSP-SE-C6-1B-0605-04** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1200	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	[880]	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	1500	ug/Kg	10	320	1100
2-Methylnaphthalene	1800	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	2800	ug/Kg	10	310	1000
Phenanthrene	1500	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	1400	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	70%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	81%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	89%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375645 **Soil, NSP-SE-C6-1B-0605-06** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	670	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	1200	ug/Kg	5	160	530
2-Methylnaphthalene	1500	ug/Kg	5	160	520
2-Methylphenol	ND	ug/Kg	5	130	430
3 & 4-Methylphenol	ND	ug/Kg	5	270	960
Naphthalene	1300	ug/Kg	5	150	510
Phenanthrene	[300]	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	[250]	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	88%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375646 **Soil, NSP-SE-C6-1B-0605-08** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	7600	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	[1000]	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	26000	ug/Kg	20	620	2100
2-Methylphenol	ND	ug/Kg	20	520	1700
3 & 4-Methylphenol	ND	ug/Kg	20	1100	3900
Naphthalene	21000	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
Biphenyl	ND	ug/Kg	20	600	2500
2,6-Dimethylnaphthalene	[2100]	ug/Kg	20	820	2700
2,3,5-Trimethylnaphthalene	ND	ug/Kg	20	710	2400
1-Methylphenanthrene	ND	ug/Kg	20	780	2600
Perylene	ND	ug/Kg	20	1100	3600
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	76%				
Nitrobenzene-d5 (SURR**)	80%				
2-Fluorobiphenyl (SURR**)	81%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	88%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375647 **Soil, NSP-SE-C6-1B-0605-10** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	12000	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	2600	ug/Kg	20	650	2200
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	20	620	2100
1-Methylnaphthalene	26000	ug/Kg	20	630	2100
2-Methylnaphthalene	35000	ug/Kg	20	620	2100
2-Methylphenol	ND	ug/Kg	20	520	1700
3 & 4-Methylphenol	ND	ug/Kg	20	1100	3900
Naphthalene	34000	ug/Kg	20	610	2000
Phenanthrene	[1400]	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
Biphenyl	ND	ug/Kg	20	600	2500
2,6-Dimethylnaphthalene	4300	ug/Kg	20	820	2700
2,3,5-Trimethylnaphthalene	ND	ug/Kg	20	710	2400
1-Methylphenanthrene	ND	ug/Kg	20	780	2600
Perylene	ND	ug/Kg	20	1100	3600
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	85%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375648 **Soil, NSP-SE-C6-1B-0605-12** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	17000	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	[1400]	ug/Kg	20	630	2100
Fluoranthene	ND	ug/Kg	20	750	2500
Fluorene	4500	ug/Kg	20	650	2200
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	20	620	2100
1-Methylnaphthalene	32000	ug/Kg	20	630	2100
2-Methylnaphthalene	46000	ug/Kg	20	620	2100
2-Methylphenol	ND	ug/Kg	20	520	1700
3 & 4-Methylphenol	ND	ug/Kg	20	1100	3900
Naphthalene	53000	ug/Kg	20	610	2000
Phenanthrene	5000	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
Biphenyl	[2000]	ug/Kg	20	600	2500
2,6-Dimethylnaphthalene	7000	ug/Kg	20	820	2700
2,3,5-Trimethylnaphthalene	ND	ug/Kg	20	710	2400
1-Methylphenanthrene	ND	ug/Kg	20	780	2600
Perylene	ND	ug/Kg	20	1100	3600
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	70%				
Terphenyl-d14 (SURR**)	83%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375649 **Soil, NSP-SE-C6-1B-0605-14** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	35000	ug/Kg	40	1300	4300
Acenaphthylene	ND	ug/Kg	40	1200	4100
Anthracene	7700	ug/Kg	40	1500	5100
Benzo[a]anthracene	4600	ug/Kg	40	1400	4600
Benzo[a]pyrene	[3400]	ug/Kg	40	1400	4500
Benzo[b]fluoranthene	[3100]	ug/Kg	40	1500	5000
Benzo[g,h,i]perylene	ND	ug/Kg	40	1300	4300
Benzo[k]fluoranthene	ND	ug/Kg	40	1500	5100
Chrysene	[3900]	ug/Kg	40	1400	4800
Dibenzo[a,h]anthracene	ND	ug/Kg	40	1400	4500
Dibenzofuran	[3500]	ug/Kg	40	1300	4200
Fluoranthene	8100	ug/Kg	40	1500	5000
Fluorene	12000	ug/Kg	40	1300	4300
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	40	1200	4200
1-Methylnaphthalene	52000	ug/Kg	40	1300	4200
2-Methylnaphthalene	77000	ug/Kg	40	1200	4100
2-Methylphenol	ND	ug/Kg	40	1000	3500
3 & 4-Methylphenol	ND	ug/Kg	40	2200	7700
Naphthalene	100000	ug/Kg	40	1200	4100
Phenanthrene	27000	ug/Kg	40	1500	4900
Phenol	ND	ug/Kg	40	1100	3800
Pyrene	12000	ug/Kg	40	1400	4700
Benzo[e]pyrene	ND	ug/Kg	40	1500	5100
Biphenyl	5900	ug/Kg	40	1200	5100
2,6-Dimethylnaphthalene	17000	ug/Kg	40	1600	5400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	40	1400	4700
1-Methylphenanthrene	[3400]	ug/Kg	40	1600	5200
Perylene	ND	ug/Kg	40	2100	7100
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	78%				
2,4,6-Tribromophenol (SURR**)	72%				
Terphenyl-d14 (SURR**)	84%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375650 **Soil, NSP-SE-C6-1B-0605-16** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	310000	ug/Kg	200	6500	22000
Acenaphthylene	23000	ug/Kg	200	6100	20000
Anthracene	140000	ug/Kg	200	7700	26000
Benzo[a]anthracene	67000	ug/Kg	200	6800	23000
Benzo[a]pyrene	52000	ug/Kg	200	6800	23000
Benzo[b]fluoranthene	43000	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	58000	ug/Kg	200	7100	24000
Dibenzo[a,h]anthracene	ND	ug/Kg	200	6800	23000
Dibenzofuran	33000	ug/Kg	200	6300	21000
Fluoranthene	140000	ug/Kg	200	7500	25000
Fluorene	140000	ug/Kg	200	6500	22000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	200	6200	21000
1-Methylnaphthalene	380000	ug/Kg	200	6300	21000
2-Methylnaphthalene	560000	ug/Kg	200	6200	21000
2-Methylphenol	ND	ug/Kg	200	5200	17000
3 & 4-Methylphenol	ND	ug/Kg	200	11000	39000
Naphthalene	670000	ug/Kg	200	6100	20000
Phenanthrene	410000	ug/Kg	200	7300	24000
Phenol	ND	ug/Kg	200	5600	19000
Pyrene	200000	ug/Kg	200	7100	24000
Benzo[e]pyrene	28000	ug/Kg	200	7600	25000
Biphenyl	55000	ug/Kg	200	6000	25000
2,6-Dimethylnaphthalene	180000	ug/Kg	200	8200	27000
2,3,5-Trimethylnaphthalene	35000	ug/Kg	200	7100	24000
1-Methylphenanthrene	57000	ug/Kg	200	7800	26000
Perylene	ND	ug/Kg	200	11000	36000
2-Fluorophenol (SURR**)	83%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	101%				
2-Fluorobiphenyl (SURR**)	84%				
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: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375651 **Soil, NSP-SE-C6-1B-0605-18** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	420000	ug/Kg	500	16000	54000
Acenaphthylene	ND	ug/Kg	500	15000	51000
Anthracene	170000	ug/Kg	500	19000	64000
Benzo[a]anthracene	88000	ug/Kg	500	17000	57000
Benzo[a]pyrene	66000	ug/Kg	500	17000	57000
Benzo[b]fluoranthene	[53000]	ug/Kg	500	19000	63000
Benzo[g,h,i]perylene	ND	ug/Kg	500	16000	54000
Benzo[k]fluoranthene	ND	ug/Kg	500	19000	64000
Chrysene	73000	ug/Kg	500	18000	59000
Dibenzo[a,h]anthracene	ND	ug/Kg	500	17000	57000
Dibenzofuran	[46000]	ug/Kg	500	16000	53000
Fluoranthene	180000	ug/Kg	500	19000	62000
Fluorene	180000	ug/Kg	500	16000	54000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	500	16000	52000
1-Methylnaphthalene	490000	ug/Kg	500	16000	53000
2-Methylnaphthalene	750000	ug/Kg	500	16000	52000
2-Methylphenol	ND	ug/Kg	500	13000	43000
3 & 4-Methylphenol	ND	ug/Kg	500	27000	96000
Naphthalene	920000	ug/Kg	500	15000	51000
Phenanthrene	560000	ug/Kg	500	18000	61000
Phenol	ND	ug/Kg	500	14000	47000
Pyrene	260000	ug/Kg	500	18000	59000
Benzo[e]pyrene	ND	ug/Kg	500	19000	64000
Biphenyl	74000	ug/Kg	500	15000	64000
2,6-Dimethylnaphthalene	250000	ug/Kg	500	20000	68000
2,3,5-Trimethylnaphthalene	[49000]	ug/Kg	500	18000	59000
1-Methylphenanthrene	75000	ug/Kg	500	19000	65000
Perylene	ND	ug/Kg	500	27000	89000
2-Fluorophenol (SURR**)	73%				
Phenol-d5 (SURR**)	80%				
Nitrobenzene-d5 (SURR**)	98%				
2-Fluorobiphenyl (SURR**)	94%				
2,4,6-Tribromophenol (SURR**)	0%				
Terphenyl-d14 (SURR**)	108%				

10 mL final extract volume.
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: 90491**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375652 **Soil, NSP-SE-C6-1B-0605-20** **Collected: 06/19/05** **Analyzed: 08/01/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	360000	ug/Kg	500	16000	54000
Acenaphthylene	ND	ug/Kg	500	15000	51000
Anthracene	140000	ug/Kg	500	19000	64000
Benzo[a]anthracene	58000	ug/Kg	500	17000	57000
Benzo[a]pyrene	[40000]	ug/Kg	500	17000	57000
Benzo[b]fluoranthene	ND	ug/Kg	500	19000	63000
Benzo[g,h,i]perylene	ND	ug/Kg	500	16000	54000
Benzo[k]fluoranthene	ND	ug/Kg	500	19000	64000
Chrysene	[50000]	ug/Kg	500	18000	59000
Dibenzo[a,h]anthracene	ND	ug/Kg	500	17000	57000
Dibenzofuran	[41000]	ug/Kg	500	16000	53000
Fluoranthene	130000	ug/Kg	500	19000	62000
Fluorene	150000	ug/Kg	500	16000	54000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	500	16000	52000
1-Methylnaphthalene	440000	ug/Kg	500	16000	53000
2-Methylnaphthalene	680000	ug/Kg	500	16000	52000
2-Methylphenol	ND	ug/Kg	500	13000	43000
3 & 4-Methylphenol	ND	ug/Kg	500	27000	96000
Naphthalene	840000	ug/Kg	500	15000	51000
Phenanthrene	460000	ug/Kg	500	18000	61000
Phenol	ND	ug/Kg	500	14000	47000
Pyrene	190000	ug/Kg	500	18000	59000
Benzo[e]pyrene	ND	ug/Kg	500	19000	64000
Biphenyl	65000	ug/Kg	500	15000	64000
2,6-Dimethylnaphthalene	210000	ug/Kg	500	20000	68000
2,3,5-Trimethylnaphthalene	[40000]	ug/Kg	500	18000	59000
1-Methylphenanthrene	[60000]	ug/Kg	500	19000	65000
Perylene	ND	ug/Kg	500	27000	89000
2-Fluorophenol (SURR**)	78%				
Phenol-d5 (SURR**)	78%				
Nitrobenzene-d5 (SURR**)	99%				
2-Fluorobiphenyl (SURR**)	92%				
2,4,6-Tribromophenol (SURR**)	44%				
Terphenyl-d14 (SURR**)	93%				

10 mL final extract volume.

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

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

ANALYTICAL R[illegible]ORT

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

Printed: 08/15/05 Code: S

NLS Project: 90492
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: URS Xcel Radio Dating

Soil, NSP-SE-C6-1B-0605-22 NLS ID: 375653
Ref. Line 1 COC 77327 Soil, NSP-SE-C6-1B-0605-22 Matrix: SO
Collected: 06/19/05 08:22 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	58.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-24 NLS ID: 375654
Ref. Line 2 COC 77327 Soil, NSP-SE-C6-1B-0605-24 Matrix: SO
Collected: 06/19/05 08:24 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	54.8	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-26 NLS ID: 375655
Ref. Line 3 COC 77327 Soil, NSP-SE-C6-1B-0605-26 Matrix: SO
Collected: 06/19/05 08:26 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	59.2	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-28 NLS ID: 375656
Ref. Line 4 COC 77327 Soil, NSP-SE-C6-1B-0605-28 Matrix: SO
Collected: 06/19/05 08:28 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	83.5	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-30 NLS ID: 375657
Ref. Line 5 COC 77327 Soil, NSP-SE-C6-1B-0605-30 Matrix: SO
Collected: 06/19/05 08:30 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	77.9	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-32 NLS ID: 375658
Ref. Line 6 COC 77327 Soil, NSP-SE-C6-1B-0605-32 Matrix: SO
Collected: 06/19/05 08:32 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	84.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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ANALYTICAL REPORT

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

NLS Project: 90492
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: URS Xcel Radio Dating

Soil, NSP-SE-C6-1B-0605-34 NLS ID: 375659
Ref. Line 7 COC 77327 Soil, NSP-SE-C6-1B-0605-34 Matrix: SO
Collected: 06/19/05 08:34 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	86.0	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-36 NLS ID: 375660
Ref. Line 8 COC 77327 Soil, NSP-SE-C6-1B-0605-36 Matrix: SO
Collected: 06/19/05 08:36 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.4	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-38 NLS ID: 375661
Ref. Line 9 COC 77327 Soil, NSP-SE-C6-1B-0605-38 Matrix: SO
Collected: 06/19/05 08:38 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.7	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	SW846 3550B	721026460

Soil, NSP-SE-C6-1B-0605-40 NLS ID: 375662
Ref. Line 10 COC 77327 Soil, NSP-SE-C6-1B-0605-40 Matrix: SO
Collected: 06/19/05 08:40 Received: 06/21/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Solids, total on solids	85.6	%	1	0.10*		06/21/05	ASTM D2216	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					08/05/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					06/30/05	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: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375653 **Soil, NSP-SE-C6-1B-0605-22** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	290000	ug/Kg	500	16000	54000
Acenaphthylene	[16000]	ug/Kg	500	15000	51000
Anthracene	110000	ug/Kg	500	19000	64000
Benzo[a]anthracene	[45000]	ug/Kg	500	17000	57000
Benzo[a]pyrene	[31000]	ug/Kg	500	17000	57000
Benzo[b]fluoranthene	ND	ug/Kg	500	19000	63000
Benzo[g,h,i]perylene	ND	ug/Kg	500	16000	54000
Benzo[k]fluoranthene	ND	ug/Kg	500	19000	64000
Chrysene	[37000]	ug/Kg	500	18000	59000
Dibenzo[a,h]anthracene	ND	ug/Kg	500	17000	57000
Dibenzofuran	[31000]	ug/Kg	500	16000	53000
Fluoranthene	96000	ug/Kg	500	19000	62000
Fluorene	120000	ug/Kg	500	16000	54000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	500	16000	52000
1-Methylnaphthalene	340000	ug/Kg	500	16000	53000
2-Methylnaphthalene	540000	ug/Kg	500	16000	52000
2-Methylphenol	ND	ug/Kg	500	13000	43000
3 & 4-Methylphenol	ND	ug/Kg	500	27000	96000
Naphthalene	670000	ug/Kg	500	15000	51000
Phenanthrene	340000	ug/Kg	500	18000	61000
Phenol	ND	ug/Kg	500	14000	47000
Pyrene	140000	ug/Kg	500	18000	59000
Benzo[e]pyrene	ND	ug/Kg	500	19000	64000
Biphenyl	[54000]	ug/Kg	500	15000	64000
2,6-Dimethylnaphthalene	160000	ug/Kg	500	20000	68000
2,3,5-Trimethylnaphthalene	[30000]	ug/Kg	500	18000	59000
1-Methylphenanthrene	[42000]	ug/Kg	500	19000	65000
Perylene	ND	ug/Kg	500	27000	89000
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	76%				
Nitrobenzene-d5 (SURR**)	88%				
2-Fluorobiphenyl (SURR**)	82%				
2,4,6-Tribromophenol (SURR**)	0%				
Terphenyl-d14 (SURR**)	111%				

10 mL final extract volume.
The surrogate, 2,4,6-Tribromophenol, did not recover due to sample matrix and a high dilution factor.
Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375654 **Soil, NSP-SE-C6-1B-0605-24** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1200000	ug/Kg	2000	65000	220000
Acenaphthylene	ND	ug/Kg	2000	61000	200000
Anthracene	430000	ug/Kg	2000	77000	260000
Benzo[a]anthracene	[190000]	ug/Kg	2000	68000	230000
Benzo[a]pyrene	[140000]	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	[170000]	ug/Kg	2000	71000	240000
Dibenzo[a,h]anthracene	ND	ug/Kg	2000	68000	230000
Dibenzofuran	[130000]	ug/Kg	2000	63000	210000
Fluoranthene	400000	ug/Kg	2000	75000	250000
Fluorene	490000	ug/Kg	2000	65000	220000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	2000	62000	210000
1-Methylnaphthalene	1500000	ug/Kg	2000	63000	210000
2-Methylnaphthalene	2300000	ug/Kg	2000	62000	210000
2-Methylphenol	ND	ug/Kg	2000	52000	170000
3 & 4-Methylphenol	ND	ug/Kg	2000	110000	390000
Naphthalene	2800000	ug/Kg	2000	61000	200000
Phenanthrene	1400000	ug/Kg	2000	73000	240000
Phenol	ND	ug/Kg	2000	56000	190000
Pyrene	580000	ug/Kg	2000	71000	240000
Benzo[e]pyrene	ND	ug/Kg	2000	76000	250000
Biphenyl	[230000]	ug/Kg	2000	60000	250000
2,6-Dimethylnaphthalene	700000	ug/Kg	2000	82000	270000
2,3,5-Trimethylnaphthalene	[130000]	ug/Kg	2000	71000	240000
1-Methylphenanthrene	[210000]	ug/Kg	2000	78000	260000
Perylene	ND	ug/Kg	2000	110000	360000
2-Fluorophenol (SURR**)	0%				
Phenol-d5 (SURR**)	61%				
Nitrobenzene-d5 (SURR**)	0%				
2-Fluorobiphenyl (SURR**)	95%				
2,4,6-Tribromophenol (SURR**)	0%				
Terphenyl-d14 (SURR**)	72%				

10 mL final extract volume.
The surrogates; 2-Fluorophenol, Nitrobenzene-d5, and 2,4,6-Tribromophenol, did not recover due to sample matrix and a high dilution factor.
Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375655 **Soil, NSP-SE-C6-1B-0605-26** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	700000	ug/Kg	2000	65000	220000
Acenaphthylene	ND	ug/Kg	2000	61000	200000
Anthracene	[250000]	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	[220000]	ug/Kg	2000	75000	250000
Fluorene	290000	ug/Kg	2000	65000	220000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	2000	62000	210000
1-Methylnaphthalene	850000	ug/Kg	2000	63000	210000
2-Methylnaphthalene	1300000	ug/Kg	2000	62000	210000
2-Methylphenol	ND	ug/Kg	2000	52000	170000
3 & 4-Methylphenol	ND	ug/Kg	2000	110000	390000
Naphthalene	1700000	ug/Kg	2000	61000	200000
Phenanthrene	800000	ug/Kg	2000	73000	240000
Phenol	ND	ug/Kg	2000	56000	190000
Pyrene	340000	ug/Kg	2000	71000	240000
Benzo[e]pyrene	ND	ug/Kg	2000	76000	250000
Biphenyl	[130000]	ug/Kg	2000	60000	250000
2,6-Dimethylnaphthalene	410000	ug/Kg	2000	82000	270000
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2000	71000	240000
1-Methylphenanthrene	ND	ug/Kg	2000	78000	260000
Perylene	ND	ug/Kg	2000	110000	360000
2-Fluorophenol (SURR**)	0%				
Phenol-d5 (SURR**)	91%				
Nitrobenzene-d5 (SURR**)	123%				
2-Fluorobiphenyl (SURR**)	100%				
2,4,6-Tribromophenol (SURR**)	0%				
Terphenyl-d14 (SURR**)	147%				

10 mL final extract volume.
The surrogates; 2-Fluorophenol and 2,4,6-Tribromophenol, did not recover due to sample matrix and a high dilution factor.
Surrogate recoveries for Nitrobenzene-d5 and Terphenyl-d14 were outside QC limits due to sample matrix.
Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375656 **Soil, NSP-SE-C6-1B-0605-28** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	81000	ug/Kg	200	6500	22000
Acenaphthylene	ND	ug/Kg	200	6100	20000
Anthracene	31000	ug/Kg	200	7700	26000
Benzo[a]anthracene	[13000]	ug/Kg	200	6800	23000
Benzo[a]pyrene	[9300]	ug/Kg	200	6800	23000
Benzo[b]fluoranthene	[9400]	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	[11000]	ug/Kg	200	7100	24000
Dibenzo[a,h]anthracene	ND	ug/Kg	200	6800	23000
Dibenzofuran	[8800]	ug/Kg	200	6300	21000
Fluoranthene	28000	ug/Kg	200	7500	25000
Fluorene	34000	ug/Kg	200	6500	22000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	200	6200	21000
1-Methylnaphthalene	99000	ug/Kg	200	6300	21000
2-Methylnaphthalene	150000	ug/Kg	200	6200	21000
2-Methylphenol	ND	ug/Kg	200	5200	17000
3 & 4-Methylphenol	ND	ug/Kg	200	11000	39000
Naphthalene	180000	ug/Kg	200	6100	20000
Phenanthrene	98000	ug/Kg	200	7300	24000
Phenol	ND	ug/Kg	200	5600	19000
Pyrene	41000	ug/Kg	200	7100	24000
Benzo[e]pyrene	ND	ug/Kg	200	7600	25000
Biphenyl	[15000]	ug/Kg	200	6000	25000
2,6-Dimethylnaphthalene	48000	ug/Kg	200	8200	27000
2,3,5-Trimethylnaphthalene	[9200]	ug/Kg	200	7100	24000
1-Methylphenanthrene	[13000]	ug/Kg	200	7800	26000
Perylene	ND	ug/Kg	200	11000	36000
2-Fluorophenol (SURR**)	73%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	82%				
2,4,6-Tribromophenol (SURR**)	41%				
Terphenyl-d14 (SURR**)	102%				

10 mL final extract volume.
Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375657 **Soil, NSP-SE-C6-1B-0605-30** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	81000	ug/Kg	200	6500	22000
Acenaphthylene	ND	ug/Kg	200	6100	20000
Anthracene	30000	ug/Kg	200	7700	26000
Benzo[a]anthracene	[14000]	ug/Kg	200	6800	23000
Benzo[a]pyrene	[9800]	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	[11000]	ug/Kg	200	7100	24000
Dibenzo[a,h]anthracene	ND	ug/Kg	200	6800	23000
Dibenzofuran	[9100]	ug/Kg	200	6300	21000
Fluoranthene	27000	ug/Kg	200	7500	25000
Fluorene	34000	ug/Kg	200	6500	22000
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	200	6200	21000
1-Methylnaphthalene	97000	ug/Kg	200	6300	21000
2-Methylnaphthalene	150000	ug/Kg	200	6200	21000
2-Methylphenol	ND	ug/Kg	200	5200	17000
3 & 4-Methylphenol	ND	ug/Kg	200	11000	39000
Naphthalene	170000	ug/Kg	200	6100	20000
Phenanthrene	97000	ug/Kg	200	7300	24000
Phenol	ND	ug/Kg	200	5600	19000
Pyrene	39000	ug/Kg	200	7100	24000
Benzo[e]pyrene	ND	ug/Kg	200	7600	25000
Biphenyl	[15000]	ug/Kg	200	6000	25000
2,6-Dimethylnaphthalene	48000	ug/Kg	200	8200	27000
2,3,5-Trimethylnaphthalene	ND	ug/Kg	200	7100	24000
1-Methylphenanthrene	[12000]	ug/Kg	200	7800	26000
Perylene	ND	ug/Kg	200	11000	36000
2-Fluorophenol (SURR**)	74%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	83%				
2-Fluorobiphenyl (SURR**)	84%				
2,4,6-Tribromophenol (SURR**)	46%				
Terphenyl-d14 (SURR**)	105%				

10 mL final extract volume.

Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375658 **Soil, NSP-SE-C6-1B-0605-32** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1300	ug/Kg	5	160	540
Acenaphthylene	ND	ug/Kg	5	150	510
Anthracene	[400]	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	[260]	ug/Kg	5	190	620
Fluorene	[520]	ug/Kg	5	160	540
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	5	160	520
1-Methylnaphthalene	1500	ug/Kg	5	160	530
2-Methylnaphthalene	2200	ug/Kg	5	160	520
2-Methylphenol	ND	ug/Kg	5	130	430
3 & 4-Methylphenol	ND	ug/Kg	5	270	960
Naphthalene	2700	ug/Kg	5	150	510
Phenanthrene	1600	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	[370]	ug/Kg	5	180	590
Benzo[e]pyrene	ND	ug/Kg	5	190	640
Biphenyl	[220]	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	[670]	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	74%				
2,4,6-Tribromophenol (SURR**)	68%				
Terphenyl-d14 (SURR**)	85%				

Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375659 **Soil, NSP-SE-C6-1B-0605-34** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	570	ug/Kg	2	65	220
Acenaphthylene	ND	ug/Kg	2	61	200
Anthracene	[230]	ug/Kg	2	77	260
Benzo[a]anthracene	[87]	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	[200]	ug/Kg	2	75	250
Fluorene	260	ug/Kg	2	65	220
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	2	62	210
1-Methylnaphthalene	440	ug/Kg	2	63	210
2-Methylnaphthalene	650	ug/Kg	2	62	210
2-Methylphenol	ND	ug/Kg	2	52	170
3 & 4-Methylphenol	ND	ug/Kg	2	110	390
Naphthalene	500	ug/Kg	2	61	200
Phenanthrene	840	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	300	ug/Kg	2	71	240
Benzo[e]pyrene	ND	ug/Kg	2	76	250
Biphenyl	[86]	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	280	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	[100]	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	89%				

Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375660 **Soil, NSP-SE-C6-1B-0605-36** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	760	ug/Kg	2	65	220
Acenaphthylene	ND	ug/Kg	2	61	200
Anthracene	290	ug/Kg	2	77	260
Benzo[a]anthracene	[120]	ug/Kg	2	68	230
Benzo[a]pyrene	[82]	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	[97]	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	[94]	ug/Kg	2	63	210
Fluoranthene	270	ug/Kg	2	75	250
Fluorene	350	ug/Kg	2	65	220
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	2	62	210
1-Methylnaphthalene	720	ug/Kg	2	63	210
2-Methylnaphthalene	1000	ug/Kg	2	62	210
2-Methylphenol	ND	ug/Kg	2	52	170
3 & 4-Methylphenol	ND	ug/Kg	2	110	390
Naphthalene	980	ug/Kg	2	61	200
Phenanthrene	1100	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	370	ug/Kg	2	71	240
Benzo[e]pyrene	ND	ug/Kg	2	76	250
Biphenyl	[120]	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	380	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	[130]	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	76%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	78%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	92%				

Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375661 **Soil, NSP-SE-C6-1B-0605-38** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	440	ug/Kg	2	65	220
Acenaphthylene	ND	ug/Kg	2	61	200
Anthracene	[110]	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	[170]	ug/Kg	2	65	220
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	2	62	210
1-Methylnaphthalene	450	ug/Kg	2	63	210
2-Methylnaphthalene	640	ug/Kg	2	62	210
2-Methylphenol	ND	ug/Kg	2	52	170
3 & 4-Methylphenol	ND	ug/Kg	2	110	390
Naphthalene	760	ug/Kg	2	61	200
Phenanthrene	470	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	[95]	ug/Kg	2	71	240
Benzo[e]pyrene	ND	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	[190]	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	91%				

Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90492**
Project Description: URS Xcel Radio Dating
Project Title: **Template: 8270SNSP** **Printed: 08/15/2005 14:50**

Sample: 375662 **Soil, NSP-SE-C6-1B-0605-40** **Collected: 06/19/05** **Analyzed: 08/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	200	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	[82]	ug/Kg	1	32	110
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	1	31	100
1-Methylnaphthalene	180	ug/Kg	1	32	110
2-Methylnaphthalene	250	ug/Kg	1	31	100
2-Methylphenol	ND	ug/Kg	1	26	87
3 & 4-Methylphenol	ND	ug/Kg	1	55	190
Naphthalene	250	ug/Kg	1	31	100
Phenanthrene	200	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	[84]	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	88%				

Due to non-homogenous sample, matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively.

** 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
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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: 90526
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT12-0605-A NLS ID: 375746
Ref. Line 1 COC 77089 Soil, NSP-SE-SQT12-0605-A Matrix: SO
Collected: 06/20/05 13:30 Received: 06/22/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	910	mg/Kg DWB	1	7.9	29	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.7	6.2	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.4	4.9	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.2	mg/Kg DWB	1	0.19	0.38	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.18	mg/Kg DWB	1	0.038	0.13	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.28	1.0	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	430	mg/Kg DWB	10	57	110	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.6]	mg/Kg DWB	1	0.57	2.0	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.2]	mg/Kg DWB	1	0.53	1.9	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	5.9	mg/Kg DWB	1	0.22	0.83	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.4	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3500	mg/Kg DWB	10	11	39	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.1	22	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	370	mg/Kg DWB	10	57	110	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	33	mg/Kg DWB	1	0.12	0.38	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.071	0.25	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.3	4.8	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	14	49	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.6	5.6	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.55	2.0	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	23	mg/Kg DWB	1	1.2	4.5	07/16/05	SW846 6010	721026460
Solids, total on solids	74.4	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.1	7.3	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	9.2	mg/Kg DWB	1	0.33	1.2	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	7.0	mg/Kg DWB	1	0.25	0.76	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/18/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90526
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT12-0605-B NLS ID: 375747
Ref. Line 2 COC 77089 Soil, NSP-SE-SQT12-0605-B Matrix: SO
Collected: 06/20/05 13:40 Received: 06/22/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	930	mg/Kg DWB	1	7.7	29	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.4	5.0	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.1	3.9	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.6	mg/Kg DWB	1	0.18	0.37	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	1.6	mg/Kg DWB	1	0.037	0.13	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.27	0.99	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	440	mg/Kg DWB	10	55	110	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	2.3	mg/Kg DWB	1	0.55	1.9	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.7]	mg/Kg DWB	1	0.51	1.8	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.3	mg/Kg DWB	1	0.22	0.80	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.3	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3800	mg/Kg DWB	10	10	38	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.9	22	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	360	mg/Kg DWB	10	55	110	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	38	mg/Kg DWB	1	0.12	0.37	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.070	0.25	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.2]	mg/Kg DWB	1	1.3	4.6	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	13	48	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.5	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.53	1.9	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	24	mg/Kg DWB	1	1.2	4.4	07/16/05	SW846 6010	721026460
Solids, total on solids	75.6	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	5.9	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.3	mg/Kg DWB	1	0.32	1.2	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	7.2	mg/Kg DWB	1	0.24	0.73	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/18/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90526
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT12-0605-C NLS ID: 375748
Ref. Line 3 COC 77089 Soil, NSP-SE-SQT12-0605-C Matrix: SO
Collected: 06/20/05 13:50 Received: 06/22/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	960	mg/Kg DWB	1	8.2	31	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.5	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.2	4.4	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.5	mg/Kg DWB	1	0.20	0.39	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.051]	mg/Kg DWB	1	0.039	0.14	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.29	1.1	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	420	mg/Kg DWB	10	59	120	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	2.7	mg/Kg DWB	1	0.59	2.1	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.2]	mg/Kg DWB	1	0.55	1.9	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.1	mg/Kg DWB	1	0.23	0.86	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.3	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3600	mg/Kg DWB	10	11	41	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.4	23	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	260	mg/Kg DWB	10	59	120	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	32	mg/Kg DWB	1	0.13	0.39	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.070	0.25	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.4]	mg/Kg DWB	1	1.4	5.0	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	14	51	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.4	5.0	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.57	2.0	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	25	mg/Kg DWB	1	1.3	4.7	07/16/05	SW846 6010	721026460
Solids, total on solids	74.8	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.8	6.5	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.5	mg/Kg DWB	1	0.34	1.3	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	6.7	mg/Kg DWB	1	0.26	0.78	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/18/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90526
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT12-0605-D NLS ID: 375749
Ref. Line 4 COC 77089 Soil, NSP-SE-SQT12-0605-D Matrix: SO
Collected: 06/20/05 14:00 Received: 06/22/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	890	mg/Kg DWB	1	7.3	27	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.4	4.9	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.1	3.9	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.0	mg/Kg DWB	1	0.17	0.35	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.035	0.12	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.26	0.93	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	480	mg/Kg DWB	10	52	100	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	2.5	mg/Kg DWB	1	0.52	1.8	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.2]	mg/Kg DWB	1	0.48	1.7	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.6	mg/Kg DWB	1	0.20	0.76	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.7	5.1	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3300	mg/Kg DWB	10	9.7	36	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.6	20	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	370	mg/Kg DWB	10	52	100	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	28	mg/Kg DWB	1	0.11	0.35	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.068	0.24	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.8]	mg/Kg DWB	1	1.2	4.4	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	12	45	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.5	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.50	1.8	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	22	mg/Kg DWB	1	1.1	4.1	07/16/05	SW846 6010	721026460
Solids, total on solids	78.0	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	5.8	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.7	mg/Kg DWB	1	0.30	1.1	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	6.4	mg/Kg DWB	1	0.23	0.69	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/18/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90526
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT12-0605-E NLS ID: 375750
Ref. Line 5 COC 77089 Soil, NSP-SE-SQT12-0605-E Matrix: SO
Collected: 06/20/05 14:10 Received: 06/22/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	850	mg/Kg DWB	1	8.8	33	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.5	5.2	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.2	4.2	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.0	mg/Kg DWB	1	0.21	0.42	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.042	0.15	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.31	1.1	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	450	mg/Kg DWB	10	63	130	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.9]	mg/Kg DWB	1	0.63	2.2	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[0.84]	mg/Kg DWB	1	0.59	2.1	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.0	mg/Kg DWB	1	0.25	0.93	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.4	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3700	mg/Kg DWB	10	12	44	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.8	25	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	330	mg/Kg DWB	10	63	130	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	32	mg/Kg DWB	1	0.14	0.42	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.072	0.25	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.7]	mg/Kg DWB	1	1.5	5.3	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	97	mg/Kg DWB	1	15	55	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.4	4.7	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.61	2.2	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	23	mg/Kg DWB	1	1.4	5.1	07/16/05	SW846 6010	721026460
Solids, total on solids	73.3	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	6.2	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	9.2	mg/Kg DWB	1	0.37	1.3	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	6.6	mg/Kg DWB	1	0.28	0.84	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/18/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90526
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQDUP11-0605 NLS ID: 375751
Ref. Line 6 COC 77089 *Soil, NSP-SE-SQDUP11-0605* Matrix: SO
Collected: 06/20/05 13:35 Received: 06/22/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	890	mg/Kg DWB	1	8.1	30	07/17/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.7	07/20/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.3	4.5	07/22/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.2	mg/Kg DWB	1	0.19	0.39	07/22/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	1.0	mg/Kg DWB	1	0.039	0.14	07/20/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.29	1.0	07/18/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	420	mg/Kg DWB	10	58	120	07/19/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.5]	mg/Kg DWB	1	0.58	2.0	07/18/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[0.84]	mg/Kg DWB	1	0.54	1.9	07/22/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.2	mg/Kg DWB	1	0.23	0.85	07/18/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.4	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3400	mg/Kg DWB	10	11	40	07/19/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.3	23	07/17/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	350	mg/Kg DWB	10	58	120	07/19/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	31	mg/Kg DWB	1	0.13	0.39	07/22/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.072	0.25	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.7]	mg/Kg DWB	1	1.4	4.9	07/18/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	98	mg/Kg DWB	1	14	51	07/16/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.5	5.1	07/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.56	2.0	07/15/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	24	mg/Kg DWB	1	1.3	4.6	07/16/05	SW846 6010	721026460
Solids, total on solids	73.4	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.9	6.7	07/22/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.2	mg/Kg DWB	1	0.34	1.2	07/22/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	6.6	mg/Kg DWB	1	0.26	0.77	07/18/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/18/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90526**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:32**

Sample: 375746 **Soil, NSP-SE-SQT12-0605-A** **Collected: 06/20/05** **Analyzed: 07/18/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	83%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	88%				

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: 90526**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:32**

Sample: 375747 **Soil, NSP-SE-SQT12-0605-B** **Collected: 06/20/05** **Analyzed: 07/18/05 -**

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
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	81%				

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: 90526**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:32**

Sample: 375748 **Soil, NSP-SE-SQT12-0605-C** **Collected: 06/20/05** **Analyzed: 07/18/05 -**

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
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	81%				

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: 90526**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:32**

Sample: 375749 **Soil, NSP-SE-SQT12-0605-D** **Collected: 06/20/05** **Analyzed: 07/18/05 -**

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
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	82%				

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: 90526**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:32**

Sample: 375750 **Soil, NSP-SE-SQT12-0605-E** **Collected: 06/20/05** **Analyzed: 07/18/05 -**

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
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	87%				

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: 90526**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:32**

Sample: 375751 **Soil, NSP-SE-SQDUP11-0605** **Collected: 06/20/05** **Analyzed: 07/18/05 -**

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
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	88%				

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

** 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: 90526**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:32**

Sample: 375746 **Soil, NSP-SE-SQT12-0605-A** **Collected: 06/20/05** **Analyzed: 06/30/05 -**

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**)	103%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 375747 **Soil, NSP-SE-SQT12-0605-B** **Collected: 06/20/05** **Analyzed: 06/30/05 -**

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**)	105%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 375748 **Soil, NSP-SE-SQT12-0605-C** **Collected: 06/20/05** **Analyzed: 06/30/05 -**

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**)	97%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90526**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:32**

Sample: 375749 **Soil, NSP-SE-SQT12-0605-D** **Collected: 06/20/05** **Analyzed: 06/30/05 -**

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**)	110%				
1-Bromo-4-Fluorobenzene (SURR**)	106%				

Sample: 375750 **Soil, NSP-SE-SQT12-0605-E** **Collected: 06/20/05** **Analyzed: 06/30/05 -**

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**)	100%				

Sample: 375751 **Soil, NSP-SE-SQDUP11-0605** **Collected: 06/20/05** **Analyzed: 06/30/05 -**

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**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	92%				

Customer: URS Corporation (Milwaukee) **NLS Project: 90526**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:32**

** 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: 90568
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT3-0605-A NLS ID: 375948
Ref. Line 1 COC 77087 Soil, NSP-SE-SQT3-0605-A Matrix: SO
Collected: 06/21/05 14:50 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	980	mg/Kg DWB	1	20	74	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.7	9.7	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[6.5]	mg/Kg DWB	20	2.2	7.7	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	44	mg/Kg DWB	1	0.47	0.94	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.26]	mg/Kg DWB	1	0.094	0.33	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.70	2.5	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	7800	mg/Kg DWB	10	140	280	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[2.7]	mg/Kg DWB	1	1.4	5.0	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.2]	mg/Kg DWB	1	1.3	4.6	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	40	mg/Kg DWB	1	0.56	2.1	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	5.0	15	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	6300	mg/Kg DWB	10	26	98	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	15	56	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	560	mg/Kg DWB	10	140	280	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	86	mg/Kg DWB	1	0.31	0.94	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.084	0.30	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[6.6]	mg/Kg DWB	1	3.3	12	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	[78]	mg/Kg DWB	1	34	120	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.6	8.8	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.4	4.9	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	32	mg/Kg DWB	1	3.1	11	08/01/05	SW846 6010	721026460
Solids, total on solids	27.0	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.3	12	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.3	mg/Kg DWB	1	0.82	3.0	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	67	mg/Kg DWB	1	0.63	1.9	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT3-0605-B NLS ID: 375949
Ref. Line 2 COC 77087 Soil, NSP-SE-SQT3-0605-B Matrix: SO
Collected: 06/21/05 15:10 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1600	mg/Kg DWB	1	19	70	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.6	9.1	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.1]	mg/Kg DWB	20	2.0	7.2	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	35	mg/Kg DWB	1	0.45	0.89	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.21]	mg/Kg DWB	1	0.089	0.31	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.66	2.4	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	5900	mg/Kg DWB	10	130	270	08/03/05	SW846 6010	721026460
Chromium, tot recoverable as Cr by ICP	[3.7]	mg/Kg DWB	1	1.3	4.7	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[2.3]	mg/Kg DWB	1	1.2	4.4	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	18	mg/Kg DWB	1	0.53	2.0	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.8	11	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	6700	mg/Kg DWB	10	25	93	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[16]	mg/Kg DWB	1	14	53	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	790	mg/Kg DWB	10	130	270	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	84	mg/Kg DWB	1	0.29	0.89	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.065	0.23	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[5.7]	mg/Kg DWB	1	3.1	11	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	150	mg/Kg DWB	1	32	120	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.4	8.2	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.3	4.6	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	38	mg/Kg DWB	1	2.9	11	08/01/05	SW846 6010	721026460
Solids, total on solids	34.9	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.0	11	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	11	mg/Kg DWB	1	0.78	2.9	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	58	mg/Kg DWB	1	0.60	1.8	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
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 Ashland Sediment Samples

Soil, NSP-SE-SQT3-0605-C NLS ID: 375950
Ref. Line 3 COC 77087 Soil, NSP-SE-SQT3-0605-C Matrix: SO
Collected: 06/21/05 15:20 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	2900	mg/Kg DWB	1	14	50	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.6	9.3	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.4]	mg/Kg DWB	20	2.1	7.4	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	51	mg/Kg DWB	1	0.32	0.64	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.32	mg/Kg DWB	1	0.064	0.23	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	[0.57]	mg/Kg DWB	1	0.48	1.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	6700	mg/Kg DWB	10	97	190	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	10	mg/Kg DWB	1	0.97	3.4	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	3.7	mg/Kg DWB	1	0.90	3.2	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	71	mg/Kg DWB	1	0.38	1.4	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.7	11	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	9700	mg/Kg DWB	10	18	67	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[36]	mg/Kg DWB	1	10	38	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1100	mg/Kg DWB	10	97	190	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	130	mg/Kg DWB	1	0.21	0.64	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.073	0.26	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	10	mg/Kg DWB	1	2.3	8.2	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	370	mg/Kg DWB	1	23	84	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.4	8.4	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.93	3.4	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	53	mg/Kg DWB	1	2.1	7.7	08/01/05	SW846 6010	721026460
Solids, total on solids	36.0	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.1	11	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	17	mg/Kg DWB	1	0.56	2.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	77	mg/Kg DWB	1	0.43	1.3	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT3-0605-D NLS ID: 375951
Ref. Line 4 COC 77087 Soil, NSP-SE-SQT3-0605-D Matrix: SO
Collected: 06/21/05 15:30 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	2700	mg/Kg DWB	1	14	50	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.7	9.6	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.0]	mg/Kg DWB	20	2.1	7.6	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	45	mg/Kg DWB	1	0.32	0.65	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.32	mg/Kg DWB	1	0.065	0.23	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.48	1.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	6400	mg/Kg DWB	10	97	190	08/03/05	SW846 6010	721026460
Chromium, tot recoverable as Cr by ICP	8.6	mg/Kg DWB	1	0.97	3.4	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	4.4	mg/Kg DWB	1	0.90	3.2	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	59	mg/Kg DWB	1	0.38	1.4	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.7	11	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	9000	mg/Kg DWB	10	18	67	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[19]	mg/Kg DWB	1	10	38	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1300	mg/Kg DWB	10	97	190	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	130	mg/Kg DWB	1	0.21	0.65	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.073	0.26	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[7.6]	mg/Kg DWB	1	2.3	8.2	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	340	mg/Kg DWB	1	23	85	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.5	8.7	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.94	3.4	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	52	mg/Kg DWB	1	2.1	7.7	08/01/05	SW846 6010	721026460
Solids, total on solids	36.2	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.2	11	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	16	mg/Kg DWB	1	0.56	2.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	79	mg/Kg DWB	1	0.43	1.3	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT3-0605-E NLS ID: 375952
Ref. Line 5 COC 77087 Soil, NSP-SE-SQT3-0605-E Matrix: SO
Collected: 06/21/05 15:40 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	4400	mg/Kg DWB	1	10	38	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.8	6.4	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.9]	mg/Kg DWB	20	1.4	5.1	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	33	mg/Kg DWB	1	0.24	0.49	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.43	mg/Kg DWB	2	0.097	0.34	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.36	1.3	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	3600	mg/Kg DWB	10	73	150	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	13	mg/Kg DWB	1	0.73	2.6	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	4.4	mg/Kg DWB	1	0.68	2.4	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	36	mg/Kg DWB	1	0.29	1.1	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.6	7.7	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	11000	mg/Kg DWB	10	14	51	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[25]	mg/Kg DWB	1	7.9	29	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1900	mg/Kg DWB	10	73	150	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	120	mg/Kg DWB	1	0.16	0.49	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.077	0.27	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	9.1	mg/Kg DWB	1	1.7	6.2	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	500	mg/Kg DWB	1	17	64	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.7	5.8	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.70	2.5	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	63	mg/Kg DWB	1	1.6	5.8	08/01/05	SW846 6010	721026460
Solids, total on solids	51.2	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.1	7.6	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	27	mg/Kg DWB	1	0.42	1.6	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	45	mg/Kg DWB	1	0.33	0.97	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT11-0605-A NLS ID: 375953
Ref. Line 6 COC 77087 Soil, NSP-SE-SQT11-0605-A Matrix: SO
Collected: 06/21/05 09:35 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1000	mg/Kg DWB	1	21	79	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.2	11	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.4]	mg/Kg DWB	20	2.5	8.9	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	33	mg/Kg DWB	1	0.50	1.0	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	1.0	mg/Kg DWB	1	0.10	0.35	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.75	2.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	6600	mg/Kg DWB	10	150	300	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[3.6]	mg/Kg DWB	1	1.5	5.3	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.6]	mg/Kg DWB	1	1.4	4.9	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	10	mg/Kg DWB	1	0.59	2.2	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.2	12	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3600	mg/Kg DWB	10	28	100	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	16	59	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	310	mg/Kg DWB	10	150	300	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	73	mg/Kg DWB	1	0.33	1.0	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.083	0.29	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.9]	mg/Kg DWB	1	3.5	13	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	[110]	mg/Kg DWB	1	36	130	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.9	10	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.5	5.2	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	30	mg/Kg DWB	1	3.3	12	08/01/05	SW846 6010	721026460
Solids, total on solids	31.9	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.8	13	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.8	mg/Kg DWB	1	0.88	3.2	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	27	mg/Kg DWB	1	0.68	2.0	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT11-0605-B NLS ID: 375954
Ref. Line 7 COC 77087 Soil, NSP-SE-SQT11-0605-B Matrix: SO
Collected: 06/21/05 09:45 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	760	mg/Kg DWB	1	18	67	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.9	10	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.9]	mg/Kg DWB	20	2.3	8.3	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	24	mg/Kg DWB	1	0.43	0.85	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.48	mg/Kg DWB	1	0.085	0.30	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.63	2.3	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	5200	mg/Kg DWB	10	130	260	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[2.2]	mg/Kg DWB	1	1.3	4.5	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	1.2	4.2	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	10	mg/Kg DWB	1	0.50	1.9	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.4	13	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	2900	mg/Kg DWB	10	24	89	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[17]	mg/Kg DWB	1	14	50	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	300	mg/Kg DWB	10	130	260	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	67	mg/Kg DWB	1	0.28	0.85	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.086	0.31	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[4.3]	mg/Kg DWB	1	3.0	11	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	[99]	mg/Kg DWB	1	31	110	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.7	9.4	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.2	4.4	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	26	mg/Kg DWB	1	2.8	10	08/01/05	SW846 6010	721026460
Solids, total on solids	30.6	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.5	12	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	6.7	mg/Kg DWB	1	0.74	2.7	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	24	mg/Kg DWB	1	0.57	1.7	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT11-0605-C NLS ID: 375955
Ref. Line 8 COC 77087 Soil, NSP-SE-SQT11-0605-C Matrix: SO
Collected: 06/21/05 09:55 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot recoverable as Al by ICP	650	mg/Kg DWB	1	22	83	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	4.2	15	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.7]	mg/Kg DWB	20	3.3	12	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	28	mg/Kg DWB	1	0.53	1.1	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.11	0.37	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.79	2.9	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	6200	mg/Kg DWB	10	160	320	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[2.0]	mg/Kg DWB	1	1.6	5.6	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	1.5	5.2	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	9.7	mg/Kg DWB	1	0.63	2.3	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	7.2	21	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	2200	mg/Kg DWB	10	30	110	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	17	63	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	340	mg/Kg DWB	10	160	320	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	45	mg/Kg DWB	1	0.35	1.1	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.077	0.27	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	3.7	14	08/01/05	SW846 6010	721026460
Potassium, tot recoverable as K by ICP	[45]	mg/Kg DWB	1	38	140	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.9	14	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.5	5.5	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	24	mg/Kg DWB	1	3.5	13	08/01/05	SW846 6010	721026460
Solids, total on solids	18.7	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	5.0	18	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	6.7	mg/Kg DWB	1	0.93	3.4	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	25	mg/Kg DWB	1	0.71	2.1	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 90568
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT11-0605-D NLS ID: 375956
Ref. Line 9 COC 77087 Soil, NSP-SE-SQT11-0605-D Matrix: SO
Collected: 06/21/05 10:05 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	550	mg/Kg DWB	1	17	62	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.0	11	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.9]	mg/Kg DWB	20	2.4	8.3	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	25	mg/Kg DWB	1	0.40	0.79	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.12]	mg/Kg DWB	1	0.079	0.28	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	[0.63]	mg/Kg DWB	1	0.59	2.1	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	5800	mg/Kg DWB	10	120	240	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	13	mg/Kg DWB	1	1.2	4.2	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	1.1	3.9	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	8.8	mg/Kg DWB	1	0.47	1.7	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.6	14	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	2500	mg/Kg DWB	10	22	82	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	13	47	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	460	mg/Kg DWB	1	12	24	08/08/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	66	mg/Kg DWB	1	0.26	0.79	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.076	0.27	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.7]	mg/Kg DWB	1	2.8	10	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	[43]	mg/Kg DWB	1	28	100	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.8	9.5	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	4.1	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	18	mg/Kg DWB	1	2.6	9.5	08/01/05	SW846 6010	721026460
Solids, total on solids	29.6	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.5	12	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	6.0	mg/Kg DWB	1	0.69	2.5	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	21	mg/Kg DWB	1	0.53	1.6	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT11-0605-E NLS ID: 375957
Ref. Line 10 COC 77087 Soil, NSP-SE-SQT11-0605-E Matrix: SO
Collected: 06/21/05 10:15 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	660	mg/Kg DWB	1	21	77	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.5	13	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	2.8	10	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	24	mg/Kg DWB	1	0.49	0.99	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	3.0	mg/Kg DWB	1	0.099	0.35	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.73	2.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	5500	mg/Kg DWB	10	150	300	08/03/05	SW846 6010	721026460
Chromium, tot recoverable as Cr by ICP	[2.7]	mg/Kg DWB	1	1.5	5.2	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	1.4	4.8	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	7.0	mg/Kg DWB	1	0.58	2.2	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.8	14	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	2200	mg/Kg DWB	10	28	100	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	16	58	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	460	mg/Kg DWB	1	15	30	08/08/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	42	mg/Kg DWB	1	0.33	0.99	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.082	0.29	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	3.5	13	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	[86]	mg/Kg DWB	1	36	130	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.3	11	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.4	5.1	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	23	mg/Kg DWB	1	3.3	12	08/01/05	SW846 6010	721026460
Solids, total on solids	27.6	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	4.2	15	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	5.2	mg/Kg DWB	1	0.86	3.2	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	21	mg/Kg DWB	1	0.66	2.0	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568
NLS Customer: 91206

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

Project: **Xcel Ashland Sediment Samples**

Soil, NSP-SE-SQDUP12-0605 NLS ID: 375958
Ref. Line 1 COC 77090 Soil, NSP-SE-SQDUP12-0605 Matrix: SO
Collected: 06/21/05 15:15 Received: 06/23/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	2000	mg/Kg DWB	1	13	49	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.0	7.1	07/25/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.5]	mg/Kg DWB	20	1.6	5.6	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	25	mg/Kg DWB	1	0.31	0.62	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.23	mg/Kg DWB	1	0.062	0.22	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.46	1.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	3800	mg/Kg DWB	10	93	190	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.8	mg/Kg DWB	1	0.93	3.3	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	3.1	mg/Kg DWB	1	0.87	3.1	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	13	mg/Kg DWB	1	0.37	1.4	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.0	8.9	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	6100	mg/Kg DWB	10	17	65	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[18]	mg/Kg DWB	1	10	37	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	440	mg/Kg DWB	10	93	190	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	73	mg/Kg DWB	1	0.21	0.62	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.071	0.25	06/30/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[5.2]	mg/Kg DWB	1	2.2	7.9	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	230	mg/Kg DWB	1	22	82	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.9	6.5	07/28/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.90	3.2	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	42	mg/Kg DWB	1	2.1	7.5	08/01/05	SW846 6010	721026460
Solids, total on solids	44.7	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.4	8.4	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	15	mg/Kg DWB	1	0.54	2.0	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	35	mg/Kg DWB	1	0.42	1.2	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/12/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/15/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/29/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/19/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/02/05	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: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375948 **Soil, NSP-SE-SQT3-0605-A** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	660	ug/Kg	5	160	540
Acenaphthylene	920	ug/Kg	5	150	510
Anthracene	720	ug/Kg	5	190	640
Benzo[a]anthracene	2500	ug/Kg	5	170	570
Benzo[a]pyrene	3200	ug/Kg	5	170	570
Benzo[b]fluoranthene	2500	ug/Kg	5	190	630
Benzo[g,h,i]perylene	1200	ug/Kg	5	160	540
Benzo[k]fluoranthene	1100	ug/Kg	5	190	640
Chrysene	2500	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	2500	ug/Kg	5	190	620
Fluorene	ND	ug/Kg	5	160	540
Indeno[1,2,3-cd]pyrene	840	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	570	ug/Kg	5	150	510
Phenanthrene	1700	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	4700	ug/Kg	5	180	590
Benzo[e]pyrene	1900	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	68%				
Terphenyl-d14 (SURR**)	75%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375949 **Soil, NSP-SE-SQT3-0605-B** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

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	900	ug/Kg	5	170	570
Benzo[a]pyrene	1100	ug/Kg	5	170	570
Benzo[b]fluoranthene	940	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	950	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	1200	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	2100	ug/Kg	5	180	590
Benzo[e]pyrene	700	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	69%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	69%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375950 **Soil, NSP-SE-SQT3-0605-C** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	[490]	ug/Kg	5	160	540
Acenaphthylene	1200	ug/Kg	5	150	510
Anthracene	720	ug/Kg	5	190	640
Benzo[a]anthracene	2800	ug/Kg	5	170	570
Benzo[a]pyrene	3800	ug/Kg	5	170	570
Benzo[b]fluoranthene	3200	ug/Kg	5	190	630
Benzo[g,h,i]perylene	1300	ug/Kg	5	160	540
Benzo[k]fluoranthene	1300	ug/Kg	5	190	640
Chrysene	2900	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	2800	ug/Kg	5	190	620
Fluorene	ND	ug/Kg	5	160	540
Indeno[1,2,3-cd]pyrene	880	ug/Kg	5	160	520
1-Methylnaphthalene	ND	ug/Kg	5	160	530
2-Methylnaphthalene	570	ug/Kg	5	160	520
2-Methylphenol	ND	ug/Kg	5	130	430
3 & 4-Methylphenol	ND	ug/Kg	5	270	960
Naphthalene	820	ug/Kg	5	150	510
Phenanthrene	1900	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	5000	ug/Kg	5	180	590
Benzo[e]pyrene	2200	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	[820]	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	69%				
Terphenyl-d14 (SURR**)	82%				

Customer: URS Corporation (Milwaukee) **NLS Project: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375951 **Soil, NSP-SE-SQT3-0605-D** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	980	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	2300	ug/Kg	5	170	570
Benzo[a]pyrene	3300	ug/Kg	5	170	570
Benzo[b]fluoranthene	2900	ug/Kg	5	190	630
Benzo[g,h,i]perylene	1000	ug/Kg	5	160	540
Benzo[k]fluoranthene	1100	ug/Kg	5	190	640
Chrysene	2300	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	2000	ug/Kg	5	190	620
Fluorene	ND	ug/Kg	5	160	540
Indeno[1,2,3-cd]pyrene	670	ug/Kg	5	160	520
1-Methylnaphthalene	ND	ug/Kg	5	160	530
2-Methylnaphthalene	[470]	ug/Kg	5	160	520
2-Methylphenol	ND	ug/Kg	5	130	430
3 & 4-Methylphenol	ND	ug/Kg	5	270	960
Naphthalene	680	ug/Kg	5	150	510
Phenanthrene	920	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	3700	ug/Kg	5	180	590
Benzo[e]pyrene	2000	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	71%				
Terphenyl-d14 (SURR**)	84%				

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: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375952 **Soil, NSP-SE-SQT3-0605-E** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

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	[430]	ug/Kg	5	170	570
Benzo[a]pyrene	600	ug/Kg	5	170	570
Benzo[b]fluoranthene	[480]	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	[450]	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	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	790	ug/Kg	5	180	590
Benzo[e]pyrene	[390]	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	69%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	87%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375953 **Soil, NSP-SE-SQT11-0605-A** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

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	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	ND	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	71%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	66%				
Terphenyl-d14 (SURR**)	84%				

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: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375954 **Soil, NSP-SE-SQT11-0605-B** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	70%				
Phenol-d5 (SURR**)	71%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	72%				
Terphenyl-d14 (SURR**)	86%				

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: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375955 **Soil, NSP-SE-SQT11-0605-C** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

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	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	2300	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	73%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	78%				
2-Fluorobiphenyl (SURR**)	78%				
2,4,6-Tribromophenol (SURR**)	70%				
Terphenyl-d14 (SURR**)	89%				

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: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375956 **Soil, NSP-SE-SQT11-0605-D** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

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	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	ND	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	70%				
Terphenyl-d14 (SURR**)	81%				

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.

Customer: URS Corporation (Milwaukee) **NLS Project: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375957 **Soil, NSP-SE-SQT11-0605-E** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

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	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	ND	ug/Kg	10	360	1200
Benzo[e]pyrene	ND	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	78%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	66%				
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: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 375958 **Soil, NSP-SE-SQDUP12-0605** **Collected: 06/21/05** **Analyzed: 07/19/05 -**

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	700	ug/Kg	5	170	570
Benzo[a]pyrene	890	ug/Kg	5	170	570
Benzo[b]fluoranthene	800	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	730	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	940	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	[420]	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	1800	ug/Kg	5	180	590
Benzo[e]pyrene	[550]	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	67%				
Terphenyl-d14 (SURR**)	87%				

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: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:33**

Sample: 375948 **Soil, NSP-SE-SQT3-0605-A** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	300	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: 375949 **Soil, NSP-SE-SQT3-0605-B** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	630	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**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	95%				

Sample: 375950 **Soil, NSP-SE-SQT3-0605-C** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	54	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	340	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%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:33**

Sample: 375951 **Soil, NSP-SE-SQT3-0605-D** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[45]	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	400	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**)	95%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 375952 **Soil, NSP-SE-SQT3-0605-E** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	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**)	94%				
Toluene-d8 (SURR**)	96%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 375953 **Soil, NSP-SE-SQT11-0605-A** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	370	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%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:33**

Sample: 375954 **Soil, NSP-SE-SQT11-0605-B** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	110	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**)	97%				
1-Bromo-4-Fluorobenzene (SURR**)	94%				

Sample: 375955 **Soil, NSP-SE-SQT11-0605-C** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	410	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**)	90%				

Sample: 375956 **Soil, NSP-SE-SQT11-0605-D** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	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**)	92%				
Toluene-d8 (SURR**)	97%				
1-Bromo-4-Fluorobenzene (SURR**)	90%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90568**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:33**

Sample: 375957 **Soil, NSP-SE-SQT11-0605-E** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	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**)	89%				
Toluene-d8 (SURR**)	93%				
1-Bromo-4-Fluorobenzene (SURR**)	84%				

Sample: 375958 **Soil, NSP-SE-SQDUP12-0605** **Collected: 06/21/05** **Analyzed: 06/29/05 -**

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	250	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**)	90%				
Toluene-d8 (SURR**)	94%				
1-Bromo-4-Fluorobenzene (SURR**)	89%				

** 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

Project: Xcel Ashland Sediment Samples

NLS Project: 90614
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-SQT4-0605-A NLS ID: 376177
Ref. Line 1 COC 77088 Soil, NSP-SE-SQT4-0605-A Matrix: SO
Collected: 06/22/05 08:50 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1500	mg/Kg DWB	1	20	76	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.0	11	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.7]	mg/Kg DWB	20	2.4	8.6	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	65	mg/Kg DWB	1	0.48	0.97	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.80	mg/Kg DWB	1	0.097	0.34	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	[0.90]	mg/Kg DWB	1	0.72	2.6	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	13000	mg/Kg DWB	10	150	290	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[3.9]	mg/Kg DWB	1	1.5	5.1	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[2.7]	mg/Kg DWB	1	1.4	4.7	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	58	mg/Kg DWB	1	0.57	2.1	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.5	13	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	11000	mg/Kg DWB	10	27	100	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	16	57	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	970	mg/Kg DWB	10	150	290	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	250	mg/Kg DWB	1	0.32	0.97	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.076	0.27	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[8.0]	mg/Kg DWB	1	3.4	12	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	180	mg/Kg DWB	1	35	130	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.8	9.8	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.4	5.0	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	41	mg/Kg DWB	1	3.2	12	08/01/05	SW846 6010	721026460
Solids, total on solids	29.6	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.6	13	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.84	3.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	80	mg/Kg DWB	1	0.65	1.9	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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: 90614
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT4-0605-B NLS ID: 376178
Ref. Line 2 COC 77088 Soil, NSP-SE-SQT4-0605-B Matrix: SO
Collected: 06/22/05 09:00 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1600	mg/Kg DWB	1	21	77	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[3.8]	mg/Kg DWB	20	3.0	11	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.1]	mg/Kg DWB	20	2.4	8.5	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	60	mg/Kg DWB	1	0.49	0.99	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.93	mg/Kg DWB	1	0.099	0.35	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.73	2.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	10000	mg/Kg DWB	10	150	300	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[5.2]	mg/Kg DWB	1	1.5	5.2	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.4]	mg/Kg DWB	1	1.4	4.8	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	74	mg/Kg DWB	1	0.58	2.2	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.3	13	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	9000	mg/Kg DWB	10	28	100	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[19]	mg/Kg DWB	1	16	58	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	910	mg/Kg DWB	10	150	300	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	140	mg/Kg DWB	1	0.33	0.99	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.073	0.26	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[10]	mg/Kg DWB	1	3.5	13	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	130	mg/Kg DWB	1	36	130	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.8	9.8	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.4	5.1	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	38	mg/Kg DWB	1	3.3	12	08/01/05	SW846 6010	721026460
Solids, total on solids	31.0	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.6	13	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	13	mg/Kg DWB	1	0.86	3.2	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	100	mg/Kg DWB	1	0.66	2.0	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90614
NLS Customer: 91206

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

Project: **Xcel Ashland Sediment Samples**

Soil, NSP-SE-SQT4-0605-C NLS ID: 376179
Ref. Line 3 COC 77088 Soil, NSP-SE-SQT4-0605-C Matrix: SO
Collected: 06/22/05 09:10 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1600	mg/Kg DWB	1	21	79	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.0	11	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.0]	mg/Kg DWB	20	2.4	8.5	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	61	mg/Kg DWB	1	0.51	1.0	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.26]	mg/Kg DWB	1	0.10	0.36	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	[0.77]	mg/Kg DWB	1	0.75	2.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	11000	mg/Kg DWB	10	150	300	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.5	mg/Kg DWB	1	1.5	5.4	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.3]	*mg/Kg DWB*	*1*	*1.4*	*5.0*	*08/02/05*	*SW846 6010*	*721026460*
Copper, tot. recoverable as Cu by ICP	74	mg/Kg DWB	1	0.60	2.2	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.4	13	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	9300	mg/Kg DWB	10	28	110	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[21]	mg/Kg DWB	1	16	60	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1000	mg/Kg DWB	10	150	300	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	170	mg/Kg DWB	1	0.33	1.0	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.073	0.26	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[10]	mg/Kg DWB	1	3.6	13	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	160	mg/Kg DWB	1	37	130	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.8	9.7	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.5	5.3	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	36	mg/Kg DWB	1	3.3	12	08/01/05	SW846 6010	721026460
Solids, total on solids	30.8	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.6	13	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	13	mg/Kg DWB	1	0.88	3.2	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	89	mg/Kg DWB	1	0.68	2.0	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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

Project: Xcel Ashland Sediment Samples

NLS Project: 90614
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-SQT4-0605-D NLS ID: 376180
Ref. Line 4 COC 77088 Soil, NSP-SE-SQT4-0605-D Matrix: SO
Collected: 06/22/05 09:20 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1600	mg/Kg DWB	1	20	73	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.9	14	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.4]	mg/Kg DWB	20	3.1	11	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	57	mg/Kg DWB	1	0.47	0.94	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.14]	mg/Kg DWB	1	0.094	0.33	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.70	2.5	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	10000	mg/Kg DWB	10	140	280	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.6	mg/Kg DWB	1	1.4	5.0	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.6]	mg/Kg DWB	1	1.3	4.6	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	72	mg/Kg DWB	1	0.55	2.1	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.3	13	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	8800	mg/Kg DWB	10	26	98	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	15	55	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	970	mg/Kg DWB	10	140	280	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	150	mg/Kg DWB	1	0.31	0.94	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	0.44	mg/Kg DWB	1	0.072	0.26	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[7.7]	mg/Kg DWB	1	3.3	12	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	190	mg/Kg DWB	1	34	120	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.6	12	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.4	4.9	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	37	mg/Kg DWB	1	3.1	11	08/01/05	SW846 6010	721026460
Solids, total on solids	31.2	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	4.6	16	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.82	3.0	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	80	mg/Kg DWB	1	0.63	1.9	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90614
NLS Customer: 91206

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

Project: **Xcel Ashland Sediment Samples**

Soil, NSP-SE-SQT4-0605-E NLS ID: 376181
Ref. Line 5 COC 77088 Soil, NSP-SE-SQT4-0605-E Matrix: SO
Collected: 06/22/05 09:30 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1900	mg/Kg DWB	1	19	72	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.1	11	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.8]	mg/Kg DWB	20	2.5	8.9	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	61	mg/Kg DWB	1	0.46	0.92	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.31]	mg/Kg DWB	1	0.092	0.32	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	[1.0]	mg/Kg DWB	1	0.68	2.5	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	10000	mg/Kg DWB	10	140	280	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[4.3]	mg/Kg DWB	1	1.4	4.9	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.9]	mg/Kg DWB	1	1.3	4.5	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	77	mg/Kg DWB	1	0.54	2.0	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.9	12	06/29/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	9600	mg/Kg DWB	10	26	96	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[15]	mg/Kg DWB	1	15	54	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1200	mg/Kg DWB	10	140	280	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	100	mg/Kg DWB	1	0.30	0.92	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.066	0.24	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[8.7]	mg/Kg DWB	1	3.2	12	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	190	mg/Kg DWB	1	33	120	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.9	10	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.3	4.8	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	38	mg/Kg DWB	1	3.0	11	08/01/05	SW846 6010	721026460
Solids, total on solids	34.0	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.7	13	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	14	mg/Kg DWB	1	0.80	2.9	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	98	mg/Kg DWB	1	0.62	1.8	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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: 90614
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT6-0605-A NLS ID: 376182
Ref. Line 6 COC 77088 Soil, NSP-SE-SQT6-0605-A Matrix: SO
Collected: 06/22/05 15:35 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	11000	mg/Kg DWB	1	16	61	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.4	8.7	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.7]	mg/Kg DWB	20	1.9	6.9	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	77	mg/Kg DWB	1	0.39	0.78	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.85	mg/Kg DWB	2	0.16	0.54	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.57	2.1	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	4500	mg/Kg DWB	10	120	230	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	28	mg/Kg DWB	1	1.2	4.1	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	10	mg/Kg DWB	1	1.1	3.8	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	110	mg/Kg DWB	1	0.46	1.7	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.8	11	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	21000	mg/Kg DWB	10	22	81	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[39]	mg/Kg DWB	1	13	46	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	4800	mg/Kg DWB	10	120	230	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	270	mg/Kg DWB	1	0.26	0.78	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	[0.066]	mg/Kg DWB	1	0.063	0.22	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	21	mg/Kg DWB	1	2.7	9.9	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	1400	mg/Kg DWB	1	28	100	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.3	7.9	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	4.0	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	130	mg/Kg DWB	1	2.6	9.3	08/01/05	SW846 6010	721026460
Solids, total on solids	35.7	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.9	10	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	46	mg/Kg DWB	1	0.68	2.5	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	82	mg/Kg DWB	1	0.52	1.6	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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

Project: Xcel Ashland Sediment Samples

NLS Project: 90614
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-SQT6-0605-B NLS ID: 376183
Ref. Line 7 COC 77088 Soil, NSP-SE-SQT6-0605-B Matrix: SO
Collected: 06/22/05 15:45 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	10000	mg/Kg DWB	1	16	60	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.7	9.4	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[5.3]	mg/Kg DWB	20	2.1	7.5	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	71	mg/Kg DWB	1	0.38	0.76	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.78	mg/Kg DWB	2	0.15	0.54	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.57	2.1	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	4100	mg/Kg DWB	10	110	230	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	25	mg/Kg DWB	1	1.1	4.1	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	8.2	mg/Kg DWB	1	1.1	3.7	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	75	mg/Kg DWB	1	0.45	1.7	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.4	10	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	19000	mg/Kg DWB	10	21	80	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[39]	mg/Kg DWB	1	12	45	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	4500	mg/Kg DWB	10	110	230	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	240	mg/Kg DWB	1	0.25	0.76	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	[0.082]	mg/Kg DWB	1	0.068	0.24	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	23	mg/Kg DWB	1	2.7	9.7	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	1300	mg/Kg DWB	1	28	100	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.5	8.6	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	4.0	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	120	mg/Kg DWB	1	2.5	9.2	08/01/05	SW846 6010	721026460
Solids, total on solids	38.8	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.1	11	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	41	mg/Kg DWB	1	0.67	2.4	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	87	mg/Kg DWB	1	0.51	1.5	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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: 90614
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT6-0605-C NLS ID: 376184
Ref. Line 8 COC 77088 Soil, NSP-SE-SQT6-0605-C Matrix: SO
Collected: 06/22/05 15:55 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	10000	mg/Kg DWB	1	16	60	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.6	9.1	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[5.3]	mg/Kg DWB	20	2.0	7.3	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	69	mg/Kg DWB	1	0.39	0.77	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.66	mg/Kg DWB	2	0.15	0.54	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.57	2.1	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	3900	mg/Kg DWB	10	120	230	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	27	mg/Kg DWB	1	1.2	4.1	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	8.5	mg/Kg DWB	1	1.1	3.8	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	110	mg/Kg DWB	1	0.45	1.7	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.4	10	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	19000	mg/Kg DWB	10	22	80	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[21]	mg/Kg DWB	1	12	45	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	4400	mg/Kg DWB	10	120	230	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	270	mg/Kg DWB	1	0.25	0.77	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.068	0.24	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	21	mg/Kg DWB	1	2.7	9.8	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	1400	mg/Kg DWB	1	28	100	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.4	8.3	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	4.0	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	130	mg/Kg DWB	1	2.5	9.2	08/01/05	SW846 6010	721026460
Solids, total on solids	39.0	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.1	11	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	43	mg/Kg DWB	1	0.67	2.5	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	77	mg/Kg DWB	1	0.52	1.5	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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

Project: Xcel Ashland Sediment Samples

NLS Project: 90614
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-SQT6-0605-D NLS ID: 376185
Ref. Line 9 COC 77088 Soil, NSP-SE-SQT6-0605-D Matrix: SO
Collected: 06/22/05 16:05 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	6400	mg/Kg DWB	1	14	50	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.0	7.1	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[5.3]	mg/Kg DWB	20	1.6	5.6	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	46	mg/Kg DWB	1	0.32	0.64	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.66	mg/Kg DWB	2	0.13	0.45	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.48	1.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	3600	mg/Kg DWB	10	97	190	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	18	mg/Kg DWB	1	0.97	3.4	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	7.8	mg/Kg DWB	1	0.90	3.2	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	40	mg/Kg DWB	1	0.38	1.4	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.9	8.8	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	14000	mg/Kg DWB	10	18	67	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[29]	mg/Kg DWB	1	10	38	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	2900	mg/Kg DWB	10	97	190	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	180	mg/Kg DWB	1	0.21	0.64	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.070	0.25	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	16	mg/Kg DWB	1	2.3	8.2	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	810	mg/Kg DWB	1	23	84	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.8	6.4	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.93	3.4	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	94	mg/Kg DWB	1	2.1	7.7	08/01/05	SW846 6010	721026460
Solids, total on solids	45.1	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.4	8.3	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	33	mg/Kg DWB	1	0.56	2.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	61	mg/Kg DWB	1	0.43	1.3	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 90614
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT6-0605-E NLS ID: 376186
Ref. Line 10 COC 77088 Soil, NSP-SE-SQT6-0605-E Matrix: SO
Collected: 06/22/05 16:15 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	10000	mg/Kg DWB	1	18	67	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.5	8.9	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.6]	mg/Kg DWB	20	2.0	7.0	07/28/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	72	mg/Kg DWB	1	0.43	0.85	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.63	mg/Kg DWB	2	0.17	0.60	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.63	2.3	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	4500	mg/Kg DWB	10	130	260	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	26	mg/Kg DWB	1	1.3	4.5	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	8.1	mg/Kg DWB	1	1.2	4.2	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	100	mg/Kg DWB	1	0.50	1.9	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.6	11	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	20000	mg/Kg DWB	10	24	89	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[38]	mg/Kg DWB	1	14	50	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	4700	mg/Kg DWB	10	130	260	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	270	mg/Kg DWB	1	0.28	0.85	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.070	0.25	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	21	mg/Kg DWB	1	3.0	11	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	1400	mg/Kg DWB	1	31	110	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.3	8.1	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.2	4.4	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	130	mg/Kg DWB	1	2.8	10	08/01/05	SW846 6010	721026460
Solids, total on solids	37.7	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.0	10	07/26/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	44	mg/Kg DWB	1	0.74	2.7	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	81	mg/Kg DWB	1	0.57	1.7	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					06/30/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	SW846 3550B	721026460

MeOH Trip Blank NLS ID: 376187
Ref. Line 1 COC 77091 MeOH Trip Blank Matrix: TB
Collected: 06/22/05 00:00 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (solid) by EPA 8260	see attached					06/30/05	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 = Nol 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: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376177 **Soil, NSP-SE-SQT4-0605-A** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	540	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	1400	ug/Kg	5	170	570
Benzo[a]pyrene	1900	ug/Kg	5	170	570
Benzo[b]fluoranthene	1600	ug/Kg	5	190	630
Benzo[g,h,i]perylene	720	ug/Kg	5	160	540
Benzo[k]fluoranthene	ND	ug/Kg	5	190	640
Chrysene	1500	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	1200	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	640	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	2300	ug/Kg	5	180	590
Benzo[e]pyrene	1200	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	75%				
Phenol-d5 (SURR**)	83%				
Nitrobenzene-d5 (SURR**)	80%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	76%				
Terphenyl-d14 (SURR**)	75%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376178 **Soil, NSP-SE-SQT4-0605-B** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	540	ug/Kg	5	160	540
Acenaphthylene	950	ug/Kg	5	150	510
Anthracene	640	ug/Kg	5	190	640
Benzo[a]anthracene	2400	ug/Kg	5	170	570
Benzo[a]pyrene	3400	ug/Kg	5	170	570
Benzo[b]fluoranthene	2800	ug/Kg	5	190	630
Benzo[g,h,i]perylene	1000	ug/Kg	5	160	540
Benzo[k]fluoranthene	1200	ug/Kg	5	190	640
Chrysene	2400	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	2400	ug/Kg	5	190	620
Fluorene	ND	ug/Kg	5	160	540
Indeno[1,2,3-cd]pyrene	650	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	1600	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	4300	ug/Kg	5	180	590
Benzo[e]pyrene	2000	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	[720]	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	79%				
Phenol-d5 (SURR**)	86%				
Nitrobenzene-d5 (SURR**)	87%				
2-Fluorobiphenyl (SURR**)	79%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	80%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376179 **Soil, NSP-SE-SQT4-0605-C** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

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	1200	ug/Kg	5	170	570
Benzo[a]pyrene	1700	ug/Kg	5	170	570
Benzo[b]fluoranthene	1400	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	1400	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	1200	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	2300	ug/Kg	5	180	590
Benzo[e]pyrene	1000	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	82%				
Nitrobenzene-d5 (SURR**)	82%				
2-Fluorobiphenyl (SURR**)	76%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376180 **Soil, NSP-SE-SQT4-0605-D** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	730	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	1900	ug/Kg	5	170	570
Benzo[a]pyrene	2700	ug/Kg	5	170	570
Benzo[b]fluoranthene	2300	ug/Kg	5	190	630
Benzo[g,h,i]perylene	790	ug/Kg	5	160	540
Benzo[k]fluoranthene	910	ug/Kg	5	190	640
Chrysene	1900	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	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	710	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	3100	ug/Kg	5	180	590
Benzo[e]pyrene	1600	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	80%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	78%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376181 **Soil, NSP-SE-SQT4-0605-E** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	5	160	540
Acenaphthylene	620	ug/Kg	5	150	510
Anthracene	ND	ug/Kg	5	190	640
Benzo[a]anthracene	1700	ug/Kg	5	170	570
Benzo[a]pyrene	2300	ug/Kg	5	170	570
Benzo[b]fluoranthene	2200	ug/Kg	5	190	630
Benzo[g,h,i]perylene	600	ug/Kg	5	160	540
Benzo[k]fluoranthene	650	ug/Kg	5	190	640
Chrysene	1700	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	1700	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	820	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	3100	ug/Kg	5	180	590
Benzo[e]pyrene	1500	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	74%				
Phenol-d5 (SURR**)	82%				
Nitrobenzene-d5 (SURR**)	87%				
2-Fluorobiphenyl (SURR**)	80%				
2,4,6-Tribromophenol (SURR**)	77%				
Terphenyl-d14 (SURR**)	77%				

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: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376182 **Soil, NSP-SE-SQT6-0605-A** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

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	320	ug/Kg	2	68	230
Benzo[a]pyrene	510	ug/Kg	2	68	230
Benzo[b]fluoranthene	520	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	340	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	280	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	460	ug/Kg	2	71	240
Benzo[e]pyrene	350	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	75%				
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.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376183 **Soil, NSP-SE-SQT6-0605-B** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

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	260	ug/Kg	2	68	230
Benzo[a]pyrene	380	ug/Kg	2	68	230
Benzo[b]fluoranthene	360	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	290	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	260	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	400	ug/Kg	2	71	240
Benzo[e]pyrene	270	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	74%				
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.
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: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376184 **Soil, NSP-SE-SQT6-0605-C** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

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	290	ug/Kg	2	68	230
Benzo[a]pyrene	430	ug/Kg	2	68	230
Benzo[b]fluoranthene	410	ug/Kg	2	75	250
Benzo[g,h,i]perylene	ND	ug/Kg	2	65	220
Benzo[k]fluoranthene	[210]	ug/Kg	2	76	250
Chrysene	320	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	300	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	[230]	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	470	ug/Kg	2	71	240
Benzo[e]pyrene	320	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	75%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	80%				
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.
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: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376185 **Soil, NSP-SE-SQT6-0605-D** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

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	260	ug/Kg	2	68	230
Benzo[a]pyrene	350	ug/Kg	2	68	230
Benzo[b]fluoranthene	360	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	310	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	280	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	[210]	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	460	ug/Kg	2	71	240
Benzo[e]pyrene	260	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	69%				
Terphenyl-d14 (SURR**)	71%				

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: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:33**

Sample: 376186 **Soil, NSP-SE-SQT6-0605-E** **Collected: 06/22/05** **Analyzed: 07/20/05 -**

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	310	ug/Kg	2	68	230
Benzo[a]pyrene	470	ug/Kg	2	68	230
Benzo[b]fluoranthene	460	ug/Kg	2	75	250
Benzo[g,h,i]perylene	ND	ug/Kg	2	65	220
Benzo[k]fluoranthene	[220]	ug/Kg	2	76	250
Chrysene	390	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	390	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-Methy phenol	ND	ug/Kg	2	110	390
Naphthalene	ND	ug/Kg	2	61	200
Phenanthrene	310	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	560	ug/Kg	2	71	240
Benzo[e]pyrene	340	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	78%				
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.

** 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: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:33**

Sample: 376177 **Soil, NSP-SE-SQT4-0605-A** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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	260	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**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

Sample: 376178 **Soil, NSP-SE-SQT4-0605-B** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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	410	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**)	93%				

Sample: 376179 **Soil, NSP-SE-SQT4-0605-C** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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	210	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**)	104%				
1-Bromo-4-Fluorobenzene (SURR**)	92%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:33**

Sample: 376180 **Soil, NSP-SE-SQT4-0605-D** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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	210	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**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	98%				

Sample: 376181 **Soil, NSP-SE-SQT4-0605-E** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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**)	95%				
Toluene-d8 (SURR**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 376182 **Soil, NSP-SE-SQT6-0605-A** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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	39	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**)	98%				
1-Bromo-4-Fluorobenzene (SURR**)	92%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:33**

Sample: 376183 **Soil, NSP-SE-SQT6-0605-B** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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	43	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**)	104%				
1-Bromo-4-Fluorobenzene (SURR**)	97%				

Sample: 376184 **Soil, NSP-SE-SQT6-0605-C** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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**)	97%				
Toluene-d8 (SURR**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 376185 **Soil, NSP-SE-SQT6-0605-D** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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	39	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**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90614**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:33**

Sample: 376186 **Soil, NSP-SE-SQT6-0605-E** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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	47	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**)	97%				
1-Bromo-4-Fluorobenzene (SURR**)	87%				

Sample: 376187 **MeOH Trip Blank** **Collected: 06/22/05** **Analyzed: 06/30/05 -**

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**)	100%				
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
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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: 90615
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: ***Xcel Ashland Sediment Samples***

Soil, NSP-SE-SQT5-0605-A NLS ID: 376188
Ref. Line 1 COC 77092 Soil, NSP-SE-SQT5-0605-A Matrix: SO
Collected: 06/22/05 12:20 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1300	mg/Kg DWB	1	15	55	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.6	9.4	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[6.3]	mg/Kg DWB	20	2.1	7.4	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	42	mg/Kg DWB	1	0.35	0.71	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.60	mg/Kg DWB	1	0.071	0.25	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.52	1.9	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	8100	mg/Kg DWB	10	110	210	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.4	mg/Kg DWB	1	1.1	3.7	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.3]	mg/Kg DWB	1	0.99	3.5	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	47	mg/Kg DWB	1	0.42	1.6	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.5	13	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	7100	mg/Kg DWB	10	20	73	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[20]	mg/Kg DWB	1	11	42	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	870	mg/Kg DWB	10	110	210	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	88	mg/Kg DWB	1	0.23	0.71	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.075	0.27	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[7.9]	mg/Kg DWB	1	2.5	9.0	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	140	mg/Kg DWB	1	25	92	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.5	8.5	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.0	3.7	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	36	mg/Kg DWB	1	2.3	8.5	08/01/05	SW846 6010	721026460
Solids, total on solids	29.9	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	[3.4]	mg/Kg DWB	20	3.1	11	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	9.7	mg/Kg DWB	1	0.61	2.3	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	78	mg/Kg DWB	1	0.47	1.4	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/05/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/21/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 90615
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT5-0605-B NLS ID: 376189
Ref. Line 2 COC 77092 Soil, NSP-SE-SQT5-0605-B Matrix: SO
Collected: 06/22/05 12:30 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	2300	mg/Kg DWB	1	18	68	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[4.2]	mg/Kg DWB	20	1.9	6.7	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[3.2]	mg/Kg DWB	20	1.5	5.3	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	34	mg/Kg DWB	1	0.44	0.87	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.88	mg/Kg DWB	1	0.087	0.31	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.65	2.4	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	5300	mg/Kg DWB	10	130	260	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.9	mg/Kg DWB	1	1.3	4.6	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[2.8]	mg/Kg DWB	1	1.2	4.3	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	19	mg/Kg DWB	1	0.52	1.9	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.7	11	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	7700	mg/Kg DWB	10	24	91	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[28]	mg/Kg DWB	1	14	52	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	980	mg/Kg DWB	10	130	260	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	99	mg/Kg DWB	1	0.29	0.87	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	1.2	mg/Kg DWB	1	0.072	0.25	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[7.2]	mg/Kg DWB	1	3.1	11	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	220	mg/Kg DWB	1	31	110	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.8	6.1	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.3	4.5	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	44	mg/Kg DWB	1	2.9	10	08/01/05	SW846 6010	721026460
Solids, total on solids	36.7	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	[2.9]	mg/Kg DWB	20	2.2	7.9	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	19	mg/Kg DWB	1	0.76	2.8	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	68	mg/Kg DWB	1	0.59	1.7	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/05/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/21/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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: 90615
NLS Customer: 91206

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

Project: **Xcel Ashland Sediment Samples**

Soil, NSP-SE-SQT5-0605-C NLS ID: 376190
Ref. Line 3 COC 77092 Soil, NSP-SE-SQT5-0605-C Matrix: SO
Collected: 06/22/05 12:40 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1500	mg/Kg DWB	1	14	54	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[2.8]	mg/Kg DWB	20	2.4	8.4	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.0]	mg/Kg DWB	20	1.9	6.7	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	36	mg/Kg DWB	1	0.34	0.69	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.26	mg/Kg DWB	1	0.069	0.24	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.51	1.9	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	5800	mg/Kg DWB	10	100	210	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	4.2	mg/Kg DWB	1	1.0	3.6	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.0]	mg/Kg DWB	1	0.96	3.4	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	24	mg/Kg DWB	1	0.41	1.5	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.6	11	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	7300	mg/Kg DWB	10	19	71	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[24]	mg/Kg DWB	1	11	41	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	890	mg/Kg DWB	10	100	210	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	82	mg/Kg DWB	1	0.23	0.69	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.070	0.25	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[6.7]	mg/Kg DWB	1	2.4	8.7	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	150	mg/Kg DWB	1	25	90	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.2	7.7	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.0	3.6	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	37	mg/Kg DWB	1	2.3	8.2	08/01/05	SW846 6010	721026460
Solids, total on solids	37.4	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	[3.5]	mg/Kg DWB	20	2.8	10	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.60	2.2	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	54	mg/Kg DWB	1	0.46	1.4	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/05/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/21/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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: 90615
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT5-0605-D NLS ID: 376191
Ref. Line 4 COC 77092 Soil, NSP-SE-SQT5-0605-D Matrix: SO
Collected: 06/22/05 12:50 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1400	mg/Kg DWB	1	16	60	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.2	11	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[5.4]	mg/Kg DWB	20	2.5	8.9	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	45	mg/Kg DWB	1	0.39	0.77	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.26]	mg/Kg DWB	1	0.077	0.27	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.57	2.1	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	6900	mg/Kg DWB	10	120	230	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.0	mg/Kg DWB	1	1.2	4.1	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.4]	mg/Kg DWB	1	1.1	3.8	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	52	mg/Kg DWB	1	0.46	1.7	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.5	13	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	7600	mg/Kg DWB	10	22	81	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[25]	mg/Kg DWB	1	13	46	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	870	mg/Kg DWB	10	120	230	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	80	mg/Kg DWB	1	0.26	0.77	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.076	0.27	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[8.4]	mg/Kg DWB	1	2.7	9.8	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	130	mg/Kg DWB	1	28	100	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.9	10	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.1	4.0	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	33	mg/Kg DWB	1	2.6	9.3	08/01/05	SW846 6010	721026460
Solids, total on solids	29.6	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	3.7	13	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	11	mg/Kg DWB	1	0.67	2.5	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	97	mg/Kg DWB	1	0.52	1.5	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/05/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/21/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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: 90615
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 Ashland Sediment Samples

Soil, NSP-SE-SQT5-0605-E NLS ID: 376192
Ref. Line 5 COC 77092 Soil, NSP-SE-SQT5-0605-E Matrix: SO
Collected: 06/22/05 13:00 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1400	mg/Kg DWB	1	17	63	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	[3.5]	mg/Kg DWB	20	2.3	8.3	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.9]	mg/Kg DWB	20	1.9	6.6	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	38	mg/Kg DWB	1	0.40	0.80	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.26]	mg/Kg DWB	1	0.080	0.28	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.59	2.2	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	6000	mg/Kg DWB	10	120	240	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	6.1	mg/Kg DWB	1	1.2	4.3	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[3.4]	mg/Kg DWB	1	1.1	3.9	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	43	mg/Kg DWB	1	0.47	1.8	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.0	12	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	7100	mg/Kg DWB	10	22	84	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[17]	mg/Kg DWB	1	13	47	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	840	mg/Kg DWB	10	120	240	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	79	mg/Kg DWB	1	0.26	0.80	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.068	0.24	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[8.3]	mg/Kg DWB	1	2.8	10	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	160	mg/Kg DWB	1	29	110	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.2	7.5	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.2	4.2	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	37	mg/Kg DWB	1	2.6	9.6	08/01/05	SW846 6010	721026460
Solids, total on solids	33.3	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.8	9.8	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	11	mg/Kg DWB	1	0.70	2.6	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	69	mg/Kg DWB	1	0.54	1.6	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/05/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/21/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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: 90615
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQDUP13-0605 NLS ID: 376193
Ref. Line 6 COC 77092 Soil, NSP-SE-SQDUP13-0605 Matrix: SO
Collected: 06/22/05 12:25 Received: 06/24/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1800	mg/Kg DWB	1	19	70	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.5	12	07/26/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[5.0]	mg/Kg DWB	20	2.8	9.8	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	51	mg/Kg DWB	1	0.45	0.90	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.32	mg/Kg DWB	1	0.090	0.31	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.66	2.4	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	7600	mg/Kg DWB	10	130	270	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.0	mg/Kg DWB	1	1.3	4.7	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[2.9]	mg/Kg DWB	1	1.3	4.4	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	64	mg/Kg DWB	1	0.53	2.0	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.7	14	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	9600	mg/Kg DWB	10	25	93	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[31]	mg/Kg DWB	1	15	53	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1200	mg/Kg DWB	10	130	270	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	89	mg/Kg DWB	1	0.30	0.90	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[9.3]	mg/Kg DWB	1	3.1	11	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	200	mg/Kg DWB	1	32	120	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.2	11	07/29/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.3	4.7	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	43	mg/Kg DWB	1	3.0	11	08/01/05	SW846 6010	721026460
Solids, total on solids	28.5	%	1	0.10*		06/24/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	[6.0]	mg/Kg DWB	20	4.1	15	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.78	2.9	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	100	mg/Kg DWB	1	0.60	1.8	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/19/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/05/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/21/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/05/05	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: 90615**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP Printed: 10/10/2005 11:34**

Sample: 376188 **Soil, NSP-SE-SQT5-0605-A** **Collected: 06/22/05** **Analyzed: 07/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1800	ug/Kg	10	320	1100
Acenaphthylene	2100	ug/Kg	10	310	1000
Anthracene	1900	ug/Kg	10	380	1300
Benzo[a]anthracene	5400	ug/Kg	10	340	1100
Benzo[a]pyrene	7100	ug/Kg	10	340	1100
Benzo[b]fluoranthene	5800	ug/Kg	10	380	1300
Benzo[g,h,i]perylene	3500	ug/Kg	10	330	1100
Benzo[k]fluoranthene	1900	ug/Kg	10	380	1300
Chrysene	5100	ug/Kg	10	360	1200
Dibenzo[a,h]anthracene	ND	ug/Kg	10	340	1100
Dibenzofuran	ND	ug/Kg	10	320	1100
Fluoranthene	6000	ug/Kg	10	370	1200
Fluorene	1100	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	2600	ug/Kg	10	310	1000
1-Methylnaphthalene	ND	ug/Kg	10	320	1100
2-Methylnaphthalene	1200	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	1500	ug/Kg	10	310	1000
Phenanthrene	5400	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	9800	ug/Kg	10	360	1200
Benzo[e]pyrene	4000	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	1400	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	78%				
2,4,6-Tribromophenol (SURR**)	76%				
Terphenyl-d14 (SURR**)	71%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90615**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:34**

Sample: 376189 **Soil, NSP-SE-SQT5-0605-B** **Collected: 06/22/05** **Analyzed: 07/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1100	ug/Kg	10	320	1100
Acenaphthylene	1500	ug/Kg	10	310	1000
Anthracene	1900	ug/Kg	10	380	1300
Benzo[a]anthracene	4300	ug/Kg	10	340	1100
Benzo[a]pyrene	4900	ug/Kg	10	340	1100
Benzo[b]fluoranthene	3900	ug/Kg	10	380	1300
Benzo[g,h,i]perylene	2000	ug/Kg	10	330	1100
Benzo[k]fluoranthene	[1200]	ug/Kg	10	380	1300
Chrysene	4200	ug/Kg	10	360	1200
Dibenzo[a,h]anthracene	ND	ug/Kg	10	340	1100
Dibenzofuran	ND	ug/Kg	10	320	1100
Fluoranthene	6900	ug/Kg	10	370	1200
Fluorene	ND	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	1400	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	4100	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	11000	ug/Kg	10	360	1200
Benzo[e]pyrene	2700	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	1800	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	77%				
Phenol-d5 (SURR**)	81%				
Nitrobenzene-d5 (SURR**)	81%				
2-Fluorobiphenyl (SURR**)	82%				
2,4,6-Tribromophenol (SURR**)	71%				
Terphenyl-d14 (SURR**)	73%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90615**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:34**

Sample: 376190 **Soil, NSP-SE-SQT5-0605-C** **Collected: 06/22/05** **Analyzed: 07/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	[880]	ug/Kg	10	320	1100
Acenaphthylene	1000	ug/Kg	10	310	1000
Anthracene	ND	ug/Kg	10	380	1300
Benzo[a]anthracene	2700	ug/Kg	10	340	1100
Benzo[a]pyrene	3400	ug/Kg	10	340	1100
Benzo[b]fluoranthene	2800	ug/Kg	10	380	1300
Benzo[g,h,i]perylene	1500	ug/Kg	10	330	1100
Benzo[k]fluoranthene	ND	ug/Kg	10	380	1300
Chrysene	2800	ug/Kg	10	360	1200
Dibenzo[a,h]anthracene	ND	ug/Kg	10	340	1100
Dibenzofuran	ND	ug/Kg	10	320	1100
Fluoranthene	3600	ug/Kg	10	370	1200
Fluorene	ND	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	1100	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	2700	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	5900	ug/Kg	10	360	1200
Benzo[e]pyrene	2000	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	73%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	79%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	77%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90615**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:34**

Sample: 376191 **Soil, NSP-SE-SQT5-0605-D** **Collected: 06/22/05** **Analyzed: 07/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1700	ug/Kg	10	320	1100
Acenaphthylene	2600	ug/Kg	10	310	1000
Anthracene	1700	ug/Kg	10	380	1300
Benzo[a]anthracene	5900	ug/Kg	10	340	1100
Benzo[a]pyrene	8600	ug/Kg	10	340	1100
Benzo[b]fluoranthene	7100	ug/Kg	10	380	1300
Benzo[g,h,i]perylene	3400	ug/Kg	10	330	1100
Benzo[k]fluoranthene	2300	ug/Kg	10	380	1300
Chrysene	6000	ug/Kg	10	360	1200
Dibenzo[a,h]anthracene	ND	ug/Kg	10	340	1100
Dibenzofuran	ND	ug/Kg	10	320	1100
Fluoranthene	6400	ug/Kg	10	370	1200
Fluorene	1200	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	2400	ug/Kg	10	310	1000
1-Methylnaphthalene	ND	ug/Kg	10	320	1100
2-Methylnaphthalene	1300	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	1800	ug/Kg	10	310	1000
Phenanthrene	4400	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	10000	ug/Kg	10	360	1200
Benzo[e]pyrene	4700	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	1300	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	72%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	75%				
2,4,6-Tribromophenol (SURR**)	69%				
Terphenyl-d14 (SURR**)	104%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90615**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:34**

Sample: 376192 **Soil, NSP-SE-SQT5-0605-E** **Collected: 06/22/05** **Analyzed: 07/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1400	ug/Kg	10	320	1100
Acenaphthylene	1600	ug/Kg	10	310	1000
Anthracene	1500	ug/Kg	10	380	1300
Benzo[a]anthracene	4000	ug/Kg	10	340	1100
Benzo[a]pyrene	5400	ug/Kg	10	340	1100
Benzo[b]fluoranthene	4400	ug/Kg	10	380	1300
Benzo[g,h,i]perylene	2000	ug/Kg	10	330	1100
Benzo[k]fluoranthene	1600	ug/Kg	10	380	1300
Chrysene	4000	ug/Kg	10	360	1200
Dibenzo[a,h]anthracene	ND	ug/Kg	10	340	1100
Dibenzofuran	ND	ug/Kg	10	320	1100
Fluoranthene	5100	ug/Kg	10	370	1200
Fluorene	ND	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	1400	ug/Kg	10	310	1000
1-Methylnaphthalene	ND	ug/Kg	10	320	1100
2-Methylnaphthalene	[960]	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	1200	ug/Kg	10	310	1000
Phenanthrene	4200	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	8600	ug/Kg	10	360	1200
Benzo[e]pyrene	3200	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	[1200]	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	78%				
2-Fluorobiphenyl (SURR**)	80%				
2,4,6-Tribromophenol (SURR**)	72%				
Terphenyl-d14 (SURR**)	116%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90615**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:34**

Sample: 376193 **Soil, NSP-SE-SQDUP13-0605** **Collected: 06/22/05** **Analyzed: 07/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	2000	ug/Kg	10	320	1100
Acenaphthylene	2500	ug/Kg	10	310	1000
Anthracene	2200	ug/Kg	10	380	1300
Benzo[a]anthracene	6300	ug/Kg	10	340	1100
Benzo[a]pyrene	8700	ug/Kg	10	340	1100
Benzo[b]fluoranthene	7100	ug/Kg	10	380	1300
Benzo[g,h,i]perylene	3100	ug/Kg	10	330	1100
Benzo[k]fluoranthene	2400	ug/Kg	10	380	1300
Chrysene	6300	ug/Kg	10	360	1200
Dibenzo[a,h]anthracene	ND	ug/Kg	10	340	1100
Dibenzofuran	ND	ug/Kg	10	320	1100
Fluoranthene	7200	ug/Kg	10	370	1200
Fluorene	1300	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	2200	ug/Kg	10	310	1000
1-Methylnaphthalene	ND	ug/Kg	10	320	1100
2-Methylnaphthalene	1500	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	1900	ug/Kg	10	310	1000
Phenanthrene	6800	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	12000	ug/Kg	10	360	1200
Benzo[e]pyrene	5100	ug/Kg	10	380	1300
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	1600	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	1700	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	72%				
Phenol-d5 (SURR**)	77%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	78%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	76%				

** 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: 90615**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:34**

Sample: 376188 **Soil, NSP-SE-SQT5-0605-A** **Collected: 06/22/05** **Analyzed: 07/05/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	62	ug/kg	1	15	51
sec-Butylbenzene	ND	ug/kg	1	19	64
Ethylbenzene	77	ug/kg	1	15	52
ortho-Xylene	ND	ug/kg	1	13	42
Styrene	ND	ug/kg	1	17	58
Toluene	370	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: 376189 **Soil, NSP-SE-SQT5-0605-B** **Collected: 06/22/05** **Analyzed: 07/05/05 -**

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	180	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**)	101%				
1-Bromo-4-Fluorobenzene (SURR**)	94%				

Sample: 376190 **Soil, NSP-SE-SQT5-0605-C** **Collected: 06/22/05** **Analyzed: 07/05/05 -**

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	520	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**)	101%				
1-Bromo-4-Fluorobenzene (SURR**)	95%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90615**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:34**

Sample: 376191 **Soil, NSP-SE-SQT5-0605-D** **Collected: 06/22/05** **Analyzed: 07/05/05 -**

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**)	98%				
Toluene-d8 (SURR**)	103%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 376192 **Soil, NSP-SE-SQT5-0605-E** **Collected: 06/22/05** **Analyzed: 07/05/05 -**

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	330	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%				

Sample: 376193 **Soil, NSP-SE-SQDUP13-0605** **Collected: 06/22/05** **Analyzed: 07/05/05 -**

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**)	90%				
Toluene-d8 (SURR**)	99%				
1-Bromo-4-Fluorobenzene (SURR**)	92%				

Customer: URS Corporation (Milwaukee) **NLS Project: 90615**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:34**

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

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: 90637
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT8-0605-A NLS ID: 376320
Ref. Line 1 COC 77102 Soil, NSP-SE-SQT8-0605-A Matrix: SO
Collected: 06/24/05 07:35 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1900	mg/Kg DWB	1	18	66	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.3	12	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.9]	mg/Kg DWB	20	2.7	9.4	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	29	mg/Kg DWB	1	0.42	0.84	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.46	mg/Kg DWB	1	0.084	0.29	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.62	2.3	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	3300	mg/Kg DWB	10	130	250	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[3.5]	mg/Kg DWB	1	1.3	4.5	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.5]	mg/Kg DWB	1	1.2	4.1	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	9.7	mg/Kg DWB	1	0.50	1.8	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	4.7	14	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3900	mg/Kg DWB	10	24	87	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[14]	mg/Kg DWB	1	14	50	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	570	mg/Kg DWB	10	130	250	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	63	mg/Kg DWB	1	0.28	0.84	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.080	0.28	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[4.9]	mg/Kg DWB	1	2.9	11	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	170	mg/Kg DWB	1	30	110	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.1	11	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.2	4.4	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	83	mg/Kg DWB	1	2.8	10	08/01/05	SW846 6010	721026460
Solids, total on solids	28.2	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	4.0	14	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	10	mg/Kg DWB	1	0.73	2.7	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	28	mg/Kg DWB	1	0.56	1.7	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/06/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90637
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 Ashland Sediment Samples

Soil, NSP-SE-SQT8-0605-B NLS ID: 376321
Ref. Line 2 COC 77102 Soil, NSP-SE-SQT8-0605-B Matrix: SO
Collected: 06/24/05 07:45 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	2000	mg/Kg DWB	1	12	43	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.3	8.2	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.8]	mg/Kg DWB	20	1.8	6.5	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	20	mg/Kg DWB	1	0.28	0.56	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.20	mg/Kg DWB	1	0.056	0.19	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.41	1.5	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	2400	mg/Kg DWB	10	83	170	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	3.9	mg/Kg DWB	1	0.83	2.9	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[2.3]	mg/Kg DWB	1	0.78	2.7	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	11	mg/Kg DWB	1	0.33	1.2	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	3.1	9.4	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5600	mg/Kg DWB	10	16	58	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	9.0	33	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	930	mg/Kg DWB	10	83	170	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	69	mg/Kg DWB	1	0.18	0.56	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.074	0.26	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[4.6]	mg/Kg DWB	1	1.9	7.1	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	210	mg/Kg DWB	1	20	73	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.2	7.5	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.81	2.9	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	36	mg/Kg DWB	1	1.8	6.7	08/01/05	SW846 6010	721026460
Solids, total on solids	42.7	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.7	9.7	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	14	mg/Kg DWB	1	0.48	1.8	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	30	mg/Kg DWB	1	0.37	1.1	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/06/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90637
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT8-0605-C NLS ID: 376322
Ref. Line 3 COC 77102 Soil, NSP-SE-SQT8-0605-C Matrix: SO
Collected: 06/24/05 07:55 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	3400	mg/Kg DWB	1	36	130	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	5.5	19	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[5.9]	mg/Kg DWB	20	4.4	15	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	72	mg/Kg DWB	1	0.85	1.7	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.49]	mg/Kg DWB	1	0.17	0.60	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	1.3	4.6	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	8000	mg/Kg DWB	10	260	510	08/03/05	SW846 6010	721026460
Chromium, tot recoverable as Cr by ICP	[5.8]	mg/Kg DWB	1	2.6	9.0	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[4.6]	mg/Kg DWB	1	2.4	8.4	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	52	mg/Kg DWB	1	1.0	3.8	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	8.9	27	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	13000	mg/Kg DWB	10	48	180	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[43]	mg/Kg DWB	1	28	100	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	1800	mg/Kg DWB	10	260	510	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	210	mg/Kg DWB	1	0.56	1.7	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.081	0.29	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[8.0]	mg/Kg DWB	1	6.0	22	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	440	mg/Kg DWB	1	61	220	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	5.1	18	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	2.5	8.9	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	130	mg/Kg DWB	1	5.6	20	08/01/05	SW846 6010	721026460
Solids, total on solids	15.0	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	6.5	23	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	22	mg/Kg DWB	1	1.5	5.5	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	86	mg/Kg DWB	1	1.1	3.4	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/06/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90637
NLS Customer: 91206

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

Project: **Xcel Ashland Sediment Samples**

Soil, NSP-SE-SQT8-0605-D NLS ID: 376323
Ref. Line 4 COC 77102 Soil, NSP-SE-SQT8-0605-D Matrix: SO
Collected: 06/24/05 08:05 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	13	49	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	2.2	7.8	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.6]	mg/Kg DWB	20	1.7	6.1	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	19	mg/Kg DWB	1	0.31	0.63	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	2.6	mg/Kg DWB	10	0.63	2.2	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.46	1.7	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	2100	mg/Kg DWB	10	94	190	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	25	mg/Kg DWB	1	0.94	3.3	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	16	mg/Kg DWB	1	0.88	3.1	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	240	mg/Kg DWB	1	0.37	1.4	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.9	8.6	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	93000	mg/Kg DWB	10	18	65	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[25]	mg/Kg DWB	1	10	37	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	620	mg/Kg DWB	10	94	190	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	460	mg/Kg DWB	1	0.21	0.63	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	[0.087]	mg/Kg DWB	1	0.068	0.24	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	52	mg/Kg DWB	1	2.2	8.0	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	23	82	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	2.0	7.0	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.91	3.3	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	19	mg/Kg DWB	1	2.1	7.5	08/01/05	SW846 6010	721026460
Solids, total on solids	46.5	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.6	9.2	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	ND	mg/Kg DWB	1	0.55	2.0	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	59	mg/Kg DWB	1	0.42	1.3	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/06/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90637
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT8-0605-E NLS ID: 376324
Ref. Line 5 COC 77102 Soil, NSP-SE-SQT8-0605-E Matrix: SO
Collected: 06/24/05 08:15 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1500	mg/Kg DWB	1	20	75	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	3.7	13	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[4.8]	mg/Kg DWB	20	3.0	10	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	33	mg/Kg DWB	1	0.48	0.96	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.17]	mg/Kg DWB	1	0.096	0.34	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.71	2.6	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	5700	mg/Kg DWB	10	140	290	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[3.1]	mg/Kg DWB	1	1.4	5.1	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.4]	mg/Kg DWB	1	1.3	4.7	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	10	mg/Kg DWB	1	0.57	2.1	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	7.0	21	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4900	mg/Kg DWB	10	27	100	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	16	57	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	770	mg/Kg DWB	10	140	290	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	90	mg/Kg DWB	1	0.32	0.96	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.064	0.23	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[4.2]	mg/Kg DWB	1	3.4	12	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	140	mg/Kg DWB	1	35	130	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	3.5	12	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	1.4	5.0	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	30	mg/Kg DWB	1	3.2	12	08/01/05	SW846 6010	721026460
Solids, total on solids	19.0	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	4.4	16	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	11	mg/Kg DWB	1	0.84	3.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	29	mg/Kg DWB	1	0.64	1.9	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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

Project: Xcel Ashland Sediment Samples

NLS Project: 90637
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Soil, NSP-SE-SQT10-0605-A NLS ID: 376325
Ref. Line 6 COC 77102 Soil, NSP-SE-SQT10-0605-A Matrix: SO
Collected: 06/24/05 11:55 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	440	mg/Kg DWB	1	8.3	31	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.7	6.1	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.4	4.9	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	3.9	mg/Kg DWB	1	0.20	0.39	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.57	mg/Kg DWB	1	0.039	0.14	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.29	1.1	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	240	mg/Kg DWB	10	59	120	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.3]	mg/Kg DWB	1	0.59	2.1	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.55	1.9	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.6	mg/Kg DWB	1	0.23	0.87	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.9	5.8	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	1200	mg/Kg DWB	10	11	41	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.4	23	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	190	mg/Kg DWB	10	59	120	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	14	mg/Kg DWB	1	0.13	0.39	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.076	0.27	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.4	5.0	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	77	mg/Kg DWB	1	14	52	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.6	5.6	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.57	2.1	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	9.6	mg/Kg DWB	1	1.3	4.7	08/01/05	SW846 6010	721026460
Solids, total on solids	68.9	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.0	7.2	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	2.9	mg/Kg DWB	1	0.34	1.3	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	4.8	mg/Kg DWB	1	0.26	0.79	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90637
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT10-0605-B NLS ID: 376326
Ref. Line 7 COC 77102 Soil, NSP-SE-SQT10-0605-B Matrix: SO
Collected: 06/24/05 12:05 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	370	mg/Kg DWB	1	7.3	27	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.2	4.4	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.2]	mg/Kg DWB	20	0.99	3.5	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	3.3	mg/Kg DWB	1	0.17	0.35	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.041]	mg/Kg DWB	1	0.035	0.12	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.26	0.93	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	210	mg/Kg DWB	10	52	100	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[0.87]	mg/Kg DWB	1	0.52	1.8	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.48	1.7	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.3	mg/Kg DWB	1	0.20	0.76	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.9	5.7	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	1100	mg/Kg DWB	10	9.7	36	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.6	20	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	140	mg/Kg DWB	10	52	100	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	18	mg/Kg DWB	1	0.11	0.35	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.074	0.26	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.2	4.4	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	71	mg/Kg DWB	1	12	45	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.0	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.50	1.8	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	13	mg/Kg DWB	1	1.1	4.1	08/01/05	SW846 6010	721026460
Solids, total on solids	70.7	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.5	5.2	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	2.9	mg/Kg DWB	1	0.30	1.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	5.7	mg/Kg DWB	1	0.23	0.69	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90637
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT10-0605-C NLS ID: 376327
Ref. Line 8 COC 77102 Soil, NSP-SE-SQT10-0605-C Matrix: SO
Collected: 06/24/05 12:15 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	420	mg/Kg DWB	1	8.9	33	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.3	4.5	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.4]	mg/Kg DWB	20	1.0	3.6	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	3.6	mg/Kg DWB	1	0.21	0.42	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.042]	mg/Kg DWB	1	0.042	0.15	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.31	1.1	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	250	mg/Kg DWB	10	63	130	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[0.99]	mg/Kg DWB	1	0.63	2.2	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.59	2.1	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.4	mg/Kg DWB	1	0.25	0.93	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.9	5.6	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	1100	mg/Kg DWB	10	12	44	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.8	25	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	140	mg/Kg DWB	10	63	130	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	13	mg/Kg DWB	1	0.14	0.42	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.074	0.26	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.5	5.4	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	69	mg/Kg DWB	1	15	55	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.1	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.61	2.2	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	10	mg/Kg DWB	1	1.4	5.1	08/01/05	SW846 6010	721026460
Solids, total on solids	71.4	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.5	5.3	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	2.8	mg/Kg DWB	1	0.37	1.3	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	4.8	mg/Kg DWB	1	0.28	0.84	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90637
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT10-0605-D NLS ID: 376328
Ref. Line 9 COC 77102 Soil, NSP-SE-SQT10-0605-D Matrix: SO
Collected: 06/24/05 12:25 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	490	mg/Kg DWB	1	9.7	36	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.4	4.9	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.1	3.9	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	4.3	mg/Kg DWB	1	0.23	0.46	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	ND	mg/Kg DWB	1	0.046	0.16	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.34	1.2	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	270	mg/Kg DWB	10	69	140	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.2]	mg/Kg DWB	1	0.69	2.4	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.64	2.3	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.5	mg/Kg DWB	1	0.27	1.0	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.1	6.2	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	1200	mg/Kg DWB	10	13	48	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	7.5	27	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	150	mg/Kg DWB	10	69	140	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	14	mg/Kg DWB	1	0.15	0.46	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.081	0.29	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.6	5.8	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	93	mg/Kg DWB	1	17	60	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.5	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.67	2.4	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	12	mg/Kg DWB	1	1.5	5.5	08/01/05	SW846 6010	721026460
Solids, total on solids	64.9	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.6	5.8	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	3.3	mg/Kg DWB	1	0.40	1.5	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	5.4	mg/Kg DWB	1	0.31	0.92	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90637
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT10-0605-E MS/MSD NLS ID: 376329
Ref. Line 10 COC 77102 Soil, NSP-SE-SQT10-0605-E MS/M Matrix: SO
Collected: 06/24/05 12:35 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	400	mg/Kg DWB	1	8.4	31	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.5	5.5	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.2	4.4	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	3.1	mg/Kg DWB	1	0.20	0.40	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.048]	mg/Kg DWB	1	0.040	0.14	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.30	1.1	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	200	mg/Kg DWB	10	60	120	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[1.1]	mg/Kg DWB	1	0.60	2.1	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.56	2.0	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.2	mg/Kg DWB	1	0.24	0.88	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.5	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	1100	mg/Kg DWB	10	11	42	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.5	24	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	160	mg/Kg DWB	10	60	120	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	16	mg/Kg DWB	1	0.13	0.40	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.073	0.26	07/11/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.4	5.1	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	53	mg/Kg DWB	1	14	52	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.4	5.0	07/30/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.58	2.1	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	9.8	mg/Kg DWB	1	1.3	4.8	08/01/05	SW846 6010	721026460
Solids, total on solids	72.2	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.8	6.5	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	2.8	mg/Kg DWB	1	0.35	1.3	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	4.6	mg/Kg DWB	1	0.27	0.80	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/22/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90637**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376320 **Soil, NSP-SE-SQT8-0605-A** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	14000	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	2900	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	10	310	1000
1-Methylnaphthalene	22000	ug/Kg	10	320	1100
2-Methylnaphthalene	23000	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	2500	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
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	4200	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	71%				
Phenol-d5 (SURR**)	78%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	59%				
2,4,6-Tribromophenol (SURR**)	67%				
Terphenyl-d14 (SURR**)	38%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376321 **Soil, NSP-SE-SQT8-0605-B** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

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	1800	ug/Kg	10	320	1100
2-Methylnaphthalene	1300	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	[860]	ug/Kg	10	310	1000
Phenanthrene	ND	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
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	56%				
2,4,6-Tribromophenol (SURR**)	57%				
Terphenyl-d14 (SURR**)	31%				

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: 90637**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376322 **Soil, NSP-SE-SQT8-0605-C** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	11000	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	24000	ug/Kg	10	320	1100
2-Methylnaphthalene	25000	ug/Kg	10	310	1000
2-Methylphenol	ND	ug/Kg	10	260	870
3 & 4-Methylphenol	ND	ug/Kg	10	550	1900
Naphthalene	23000	ug/Kg	10	310	1000
Phenanthrene	ND	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
Biphenyl	ND	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	ND	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	10	350	1200
1-Methylphenanthrene	ND	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	68%				
Phenol-d5 (SURR**)	73%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	57%				
Terphenyl-d14 (SURR**)	52%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376323 **Soil, NSP-SE-SQT8-0605-D** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

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	750	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	930	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
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	ND	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	ND	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	60%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	57%				
2,4,6-Tribromophenol (SURR**)	56%				
Terphenyl-d14 (SURR**)	31%				

Additional non-target compounds present.
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: 90637**

Project Description: Xcel Ashland Sediment Samples

Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376324 **Soil, NSP-SE-SQT8-0605-E** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	41000	ug/Kg	25	810	2700
Acenaphthylene	ND	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	ND	ug/Kg	25	940	3100
Fluorene	9700	ug/Kg	25	810	2700
Indeno[1,2,3-cd]pyrene	ND	ug/Kg	25	780	2600
1-Methylnaphthalene	70000	ug/Kg	25	790	2600
2-Methylnaphthalene	96000	ug/Kg	25	780	2600
2-Methylphenol	ND	ug/Kg	25	650	2200
3 & 4-Methylphenol	ND	ug/Kg	25	1400	4800
Naphthalene	140000	ug/Kg	25	770	2600
Phenanthrene	12000	ug/Kg	25	920	3100
Phenol	ND	ug/Kg	25	700	2300
Pyrene	ND	ug/Kg	25	890	3000
Benzo[e]pyrene	ND	ug/Kg	25	950	3200
Biphenyl	5900	ug/Kg	25	750	3200
2,6-Dimethylnaphthalene	15000	ug/Kg	25	1000	3400
2,3,5-Trimethylnaphthalene	ND	ug/Kg	25	880	2900
1-Methylphenanthrene	ND	ug/Kg	25	970	3200
Perylene	ND	ug/Kg	25	1300	4500
2-Fluorophenol (SURR**)	70%				
Phenol-d5 (SURR**)	74%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	55%				
2,4,6-Tribromophenol (SURR**)	51%				
Terphenyl-d14 (SURR**)	33%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376325 **Soil, NSP-SE-SQT10-0605-A** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

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	[120]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	61%				
2,4,6-Tribromophenol (SURR**)	77%				
Terphenyl-d14 (SURR**)	60%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376326 **Soil, NSP-SE-SQT10-0605-B** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

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	[150]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	60%				
Phenol-d5 (SURR**)	64%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	63%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376327 **Soil, NSP-SE-SQT10-0605-C** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	67%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	68%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376328 **Soil, NSP-SE-SQT10-0605-D** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

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	[160]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	70%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	69%				

Additional non-target compounds present.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:35**

Sample: 376329 **Soil, NSP-SE-SQT10-0605-E MS/MSD** **Collected: 06/24/05** **Analyzed: 07/22/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	62%				

Additional non-target compounds present.

** 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: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:35**

Sample: 376320 **Soil, NSP-SE-SQT8-0605-A** **Collected: 06/24/05** **Analyzed: 07/06/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	120	ug/kg	1	15	51
sec-Butylbenzene	ND	ug/kg	1	19	64
Ethylbenzene	250	ug/kg	1	15	52
ortho-Xylene	290	ug/kg	1	13	42
Styrene	ND	ug/kg	1	17	58
Toluene	230	ug/kg	1	11	34
1,2,4-Trimethylbenzene	1000	ug/kg	1	15	49
1,3,5-Trimethylbenzene	140	ug/kg	1	16	55
meta,para-Xylene	270	ug/kg	1	25	89
1,2,3-Trimethylbenzene	270	ug/kg	1	19	63
Dibromofluoromethane (SURR**)	97%				
Toluene-d8 (SURR**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	97%				

Sample: 376321 **Soil, NSP-SE-SQT8-0605-B** **Collected: 06/24/05** **Analyzed: 07/06/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	60	ug/kg	1	15	51
sec-Butylbenzene	ND	ug/kg	1	19	64
Ethylbenzene	80	ug/kg	1	15	52
ortho-Xylene	290	ug/kg	1	13	42
Styrene	ND	ug/kg	1	17	58
Toluene	280	ug/kg	1	11	34
1,2,4-Trimethylbenzene	700	ug/kg	1	15	49
1,3,5-Trimethylbenzene	150	ug/kg	1	16	55
meta,para-Xylene	130	ug/kg	1	25	89
1,2,3-Trimethylbenzene	120	ug/kg	1	19	63
Dibromofluoromethane (SURR**)	100%				
Toluene-d8 (SURR**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Sample: 376322 **Soil, NSP-SE-SQT8-0605-C** **Collected: 06/24/05** **Analyzed: 07/06/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	360	ug/kg	1	15	51
sec-Butylbenzene	ND	ug/kg	1	19	64
Ethylbenzene	770	ug/kg	1	15	52
ortho-Xylene	1300	ug/kg	1	13	42
Styrene	ND	ug/kg	1	17	58
Toluene	320	ug/kg	1	11	34
1,2,4-Trimethylbenzene	3300	ug/kg	1	15	49
1,3,5-Trimethylbenzene	760	ug/kg	1	16	55
meta,para-Xylene	610	ug/kg	1	25	89
1,2,3-Trimethylbenzene	620	ug/kg	1	19	63
Dibromofluoromethane (SURR**)	101%				
Toluene-d8 (SURR**)	105%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:35**

Sample: 376323 **Soil, NSP-SE-SQT8-0605-D** **Collected: 06/24/05** **Analyzed: 07/06/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[49]	ug/kg	1	15	51
sec-Butylbenzene	ND	ug/kg	1	19	64
Ethylbenzene	120	ug/kg	1	15	52
ortho-Xylene	69	ug/kg	1	13	42
Styrene	ND	ug/kg	1	17	58
Toluene	240	ug/kg	1	11	34
1,2,4-Trimethylbenzene	600	ug/kg	1	15	49
1,3,5-Trimethylbenzene	120	ug/kg	1	16	55
meta,para-Xylene	150	ug/kg	1	25	89
1,2,3-Trimethylbenzene	80	ug/kg	1	19	63
Dibromofluoromethane (SURR**)	101%				
Toluene-d8 (SURR**)	104%				
1-Bromo-4-Fluorobenzene (SURR**)	97%				

Sample: 376324 **Soil, NSP-SE-SQT8-0605-E** **Collected: 06/24/05** **Analyzed: 07/06/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	160	ug/kg	1	15	51
sec-Butylbenzene	ND	ug/kg	1	19	64
Ethylbenzene	3200	ug/kg	1	15	52
ortho-Xylene	2400	ug/kg	1	13	42
Styrene	ND	ug/kg	1	17	58
Toluene	100	ug/kg	1	11	34
1,2,4-Trimethylbenzene	5000	ug/kg	1	15	49
1,3,5-Trimethylbenzene	1300	ug/kg	1	16	55
meta,para-Xylene	1000	ug/kg	1	25	89
1,2,3-Trimethylbenzene	1600	ug/kg	1	19	63
Dibromofluoromethane (SURR**)	94%				
Toluene-d8 (SURR**)	106%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

Sample: 376325 **Soil, NSP-SE-SQT10-0605-A** **Collected: 06/24/05** **Analyzed: 07/07/05 -**

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	[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**)	95%				
Toluene-d8 (SURR**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	92%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:35**

Sample: 376326 **Soil, NSP-SE-SQT10-0605-B** **Collected: 06/24/05** **Analyzed: 07/07/05 -**

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**)	95%				
Toluene-d8 (SURR**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 376327 **Soil, NSP-SE-SQT10-0605-C** **Collected: 06/24/05** **Analyzed: 07/07/05 -**

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	[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**)	98%				
Toluene-d8 (SURR**)	107%				
1-Bromo-4-Fluorobenzene (SURR**)	95%				

Sample: 376328 **Soil, NSP-SE-SQT10-0605-D** **Collected: 06/24/05** **Analyzed: 07/07/05 -**

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**)	100%				
Toluene-d8 (SURR**)	105%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90637**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:35**

Sample: 376329 **Soil, NSP-SE-SQT10-0605-E MS/MSD** **Collected: 06/24/05** **Analyzed: 07/07/05 -**

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	[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**)	96%				
Toluene-d8 (SURR**)	104%				
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
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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: 90638
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT7-0605-A NLS ID: 376330
Ref. Line 1 COC 77101 Soil, NSP-SE-SQT7-0605-A Matrix: SO
Collected: 06/23/05 09:35 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	6.4	24	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.3	4.6	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.7]	mg/Kg DWB	20	1.0	3.6	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	5.3	mg/Kg DWB	1	0.15	0.30	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.29	mg/Kg DWB	1	0.030	0.11	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.22	0.82	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	560	mg/Kg DWB	10	45	91	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.4	mg/Kg DWB	1	0.45	1.6	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	1.9	mg/Kg DWB	1	0.42	1.5	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.8	mg/Kg DWB	1	0.18	0.67	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.7	5.1	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4900	mg/Kg DWB	10	8.5	31	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	4.9	18	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	680	mg/Kg DWB	10	45	91	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	3.9	mg/Kg DWB	1	0.10	0.30	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.067	0.24	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.8]	mg/Kg DWB	1	1.1	3.8	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	11	40	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.2	07/31/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.44	1.6	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	23	mg/Kg DWB	1	1.0	3.6	08/01/05	SW846 6010	721026460
Solids, total on solids	78.8	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.5	5.4	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	14	mg/Kg DWB	1	0.26	0.97	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	7.3	mg/Kg DWB	1	0.20	0.61	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/25/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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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: 90638
NLS Customer: 91206

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

Project: **Xcel Ashland Sediment Samples**

Soil, NSP-SE-SQT7-0605-B NLS ID: 376331
Ref. Line 2 COC 77101 Soil, NSP-SE-SQT7-0605-B Matrix: SO
Collected: 06/23/05 09:45 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1300	mg/Kg DWB	1	7.0	26	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.4	5.0	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.4]	mg/Kg DWB	20	1.1	4.0	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	6.2	mg/Kg DWB	1	0.17	0.33	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.16	mg/Kg DWB	1	0.033	0.12	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.25	0.90	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	690	mg/Kg DWB	10	50	100	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.4	mg/Kg DWB	1	0.50	1.8	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.1]	mg/Kg DWB	1	0.47	1.6	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	3.5	mg/Kg DWB	1	0.20	0.73	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.3	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4700	mg/Kg DWB	10	9.3	35	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.4	20	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	700	mg/Kg DWB	10	50	100	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	40	mg/Kg DWB	1	0.11	0.33	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.070	0.25	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.0]	mg/Kg DWB	1	1.2	4.2	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	12	44	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.5	07/31/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.48	1.7	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	23	mg/Kg DWB	1	1.1	4.0	08/01/05	SW846 6010	721026460
Solids, total on solids	75.4	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	5.9	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	15	mg/Kg DWB	1	0.29	1.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	9.6	mg/Kg DWB	1	0.22	0.66	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/25/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 90638
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT7-0605-C NLS ID: 376332
Ref. Line 3 COC 77101 Soil, NSP-SE-SQT7-0605-C Matrix: SO
Collected: 06/23/05 09:55 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	7.2	27	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.8	6.3	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.4	5.0	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.4	mg/Kg DWB	1	0.17	0.34	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.13	mg/Kg DWB	1	0.034	0.12	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.26	0.93	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	640	mg/Kg DWB	10	52	100	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.0	mg/Kg DWB	1	0.52	1.8	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	2.0	mg/Kg DWB	1	0.48	1.7	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	6.8	mg/Kg DWB	1	0.20	0.76	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.0	6.0	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4700	mg/Kg DWB	10	9.7	36	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[7.6]	mg/Kg DWB	1	5.6	20	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	640	mg/Kg DWB	10	52	100	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	40	mg/Kg DWB	1	0.11	0.34	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.078	0.28	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.9]	mg/Kg DWB	1	1.2	4.4	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	12	45	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.7	5.7	07/31/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.50	1.8	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	28	mg/Kg DWB	1	1.1	4.1	08/01/05	SW846 6010	721026460
Solids, total on solids	67.6	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.1	7.5	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	14	mg/Kg DWB	1	0.30	1.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	14	mg/Kg DWB	1	0.23	0.69	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/25/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90638
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQT7-0605-D MS/MSD NLS ID: 376333
Ref. Line 4 COC 77101 Soil,NSP-SE-SQT7-0605-D MS/MSD Matrix: SO
Collected: 06/23/05 10:05 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	7.0	26	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.7	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.6]	mg/Kg DWB	20	1.3	4.5	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	6.1	mg/Kg DWB	1	0.17	0.33	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.13	mg/Kg DWB	1	0.033	0.12	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.25	0.90	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	690	mg/Kg DWB	10	50	100	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	4.2	mg/Kg DWB	1	0.50	1.8	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	1.7	mg/Kg DWB	1	0.47	1.6	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.3	mg/Kg DWB	1	0.20	0.74	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.4	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4200	mg/Kg DWB	10	9.4	35	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.4	20	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	590	mg/Kg DWB	10	50	100	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	38	mg/Kg DWB	1	0.11	0.33	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.071	0.25	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.9]	mg/Kg DWB	1	1.2	4.3	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	130	mg/Kg DWB	1	12	44	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.5	5.1	07/31/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.49	1.7	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	23	mg/Kg DWB	1	1.1	4.0	08/01/05	SW846 6010	721026460
Solids, total on solids	74.5	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.9	6.7	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.29	1.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	9.7	mg/Kg DWB	1	0.22	0.67	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/25/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90638
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 Sediment Samples

Soil, NSP-SE-SQT7-0605-E NLS ID: 376334
Ref. Line 5 COC 77101 Soil, NSP-SE-SQT7-0605-E Matrix: SO
Collected: 06/23/05 10:15 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	6.3	23	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.3	4.8	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.6]	mg/Kg DWB	20	1.1	3.8	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	5.6	mg/Kg DWB	1	0.15	0.30	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.33	mg/Kg DWB	1	0.030	0.10	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.22	0.81	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	600	mg/Kg DWB	10	45	90	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.3	mg/Kg DWB	1	0.45	1.6	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	1.7	mg/Kg DWB	1	0.42	1.5	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.5	mg/Kg DWB	1	0.18	0.66	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.7	5.2	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4300	mg/Kg DWB	10	8.4	31	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	4.9	18	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	590	mg/Kg DWB	10	45	90	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	38	mg/Kg DWB	1	0.099	0.30	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.068	0.24	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.4]	mg/Kg DWB	1	1.0	3.8	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	120	mg/Kg DWB	1	11	39	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.3	07/31/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.43	1.6	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	22	mg/Kg DWB	1	0.99	3.6	08/01/05	SW846 6010	721026460
Solids, total on solids	77.0	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.6	5.6	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	13	mg/Kg DWB	1	0.26	0.96	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	8.0	mg/Kg DWB	1	0.20	0.60	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/25/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90638
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 Ashland Sediment Samples

Soil, NSP-SE-SQDUP14-0605 NLS ID: 376335
Ref. Line 6 COC 77101 Soil, NSP-SE-SQDUP14-0605 Matrix: SO
Collected: 06/23/05 10:00 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1100	mg/Kg DWB	1	7.4	27	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.7	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.4]	mg/Kg DWB	20	1.3	4.5	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	5.7	mg/Kg DWB	1	0.18	0.35	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.11]	mg/Kg DWB	1	0.035	0.12	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.26	0.95	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	610	mg/Kg DWB	10	53	110	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	2.8	mg/Kg DWB	1	0.53	1.9	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.6]	mg/Kg DWB	1	0.49	1.7	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.3	mg/Kg DWB	1	0.21	0.77	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	55	mg/Kg DWB	1	1.8	5.4	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3800	mg/Kg DWB	10	9.8	36	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.7	21	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	590	mg/Kg DWB	10	53	110	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	31	mg/Kg DWB	1	0.12	0.35	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.072	0.25	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.9]	mg/Kg DWB	1	1.2	4.4	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	110	mg/Kg DWB	1	13	46	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.5	5.2	07/31/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.51	1.8	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	20	mg/Kg DWB	1	1.2	4.2	08/01/05	SW846 6010	721026460
Solids, total on solids	73.4	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.9	6.8	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.6	mg/Kg DWB	1	0.30	1.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	10	mg/Kg DWB	1	0.23	0.70	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/25/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	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: 90638
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland Sediment Samples

Soil, NSP-SE-SQDUP15-0605 NLS ID: 376336
Ref. Line 7 COC 77101 Soil, NSP-SE-SQDUP15-0605 Matrix: SO
Collected: 06/24/05 12:00 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	420	mg/Kg DWB	1	7.1	26	08/02/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.5	5.5	07/27/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.2	4.3	07/29/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	3.6	mg/Kg DWB	1	0.17	0.34	08/02/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.061]	mg/Kg DWB	1	0.034	0.12	08/04/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.25	0.91	08/01/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	350	mg/Kg DWB	10	51	100	08/03/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	[0.90]	mg/Kg DWB	1	0.51	1.8	08/01/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	ND	mg/Kg DWB	1	0.47	1.7	08/02/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	1.4	mg/Kg DWB	1	0.20	0.74	08/01/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.0	5.9	06/30/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	1200	mg/Kg DWB	10	9.4	35	08/03/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.5	20	08/02/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	200	mg/Kg DWB	10	51	100	08/03/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	18	mg/Kg DWB	1	0.11	0.34	08/02/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.077	0.27	07/06/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	ND	mg/Kg DWB	1	1.2	4.3	08/01/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	73	mg/Kg DWB	1	12	44	08/01/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.4	5.0	07/31/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.49	1.8	07/28/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	8.5	mg/Kg DWB	1	1.1	4.0	08/01/05	SW846 6010	721026460
Solids, total on solids	68.2	%	1	0.10*		06/29/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.8	6.5	07/27/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	2.7	mg/Kg DWB	1	0.29	1.1	08/02/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	4.7	mg/Kg DWB	1	0.23	0.67	08/01/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					07/14/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					07/22/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					07/07/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					07/25/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					07/07/05	SW846 3550B	721026460

Trip Blank NLS ID: 376337
Ref. Line 8 COC 77101 Trip Blank Matrix: TB
Collected: 06/24/05 00:00 Received: 06/25/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (solid) by EPA 8260	see attached					07/07/05	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 - Soil

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:39**

Sample: 376330 **Soil, NSP-SE-SQT7-0605-A** **Collected: 06/23/05** **Analyzed: 07/25/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	7600	ug/Kg	10	320	1100
Acenaphthylene	[540]	ug/Kg	10	310	1000
Anthracene	3000	ug/Kg	10	380	1300
Benzo[a]anthracene	2200	ug/Kg	10	340	1100
Benzo[a]pyrene	2200	ug/Kg	10	340	1100
Benzo[b]fluoranthene	1500	ug/Kg	10	380	1300
Benzo[g,h,i]perylene	[1000]	ug/Kg	10	330	1100
Benzo[k]fluoranthene	[620]	ug/Kg	10	380	1300
Chrysene	2100	ug/Kg	10	360	1200
Dibenzo[a,h]anthracene	ND	ug/Kg	10	340	1100
Dibenzofuran	ND	ug/Kg	10	320	1100
Fluoranthene	5400	ug/Kg	10	370	1200
Fluorene	2900	ug/Kg	10	320	1100
Indeno[1,2,3-cd]pyrene	[720]	ug/Kg	10	310	1000
1-Methylnaphthalene	2500	ug/Kg	10	320	1100
2-Methylnaphthalene	2300	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	15000	ug/Kg	10	370	1200
Phenol	ND	ug/Kg	10	280	940
Pyrene	8500	ug/Kg	10	360	1200
Benzo[e]pyrene	[1200]	ug/Kg	10	380	1300
Biphenyl	[1100]	ug/Kg	10	300	1300
2,6-Dimethylnaphthalene	3400	ug/Kg	10	410	1400
2,3,5-Trimethylnaphthalene	[570]	ug/Kg	10	350	1200
1-Methylphenanthrene	[1100]	ug/Kg	10	390	1300
Perylene	ND	ug/Kg	10	540	1800
2-Fluorophenol (SURR**)	60%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	70%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	60%				
Terphenyl-d14 (SURR**)	63%				

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Phenanthrene and Pyrene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:39**

Sample: 376331 **Soil, NSP-SE-SQT7-0605-B** **Collected: 06/23/05** **Analyzed: 07/25/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	690	ug/Kg	5	160	540
Acenaphthylene	ND	ug/Kg	5	150	510
Anthracene	640	ug/Kg	5	190	640
Benzo[a]anthracene	800	ug/Kg	5	170	570
Benzo[a]pyrene	810	ug/Kg	5	170	570
Benzo[b]fluoranthene	[590]	ug/Kg	5	190	630
Benzo[g,h,i]perylene	[380]	ug/Kg	5	160	540
Benzo[k]fluoranthene	ND	ug/Kg	5	190	640
Chrysene	680	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	[320]	ug/Kg	5	160	540
Indeno[1,2,3-cd]pyrene	[250]	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	2400	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	2700	ug/Kg	5	180	590
Benzo[e]pyrene	[440]	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	[370]	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	[260]	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	58%				
Phenol-d5 (SURR**)	64%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	61%				
Terphenyl-d14 (SURR**)	60%				

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Phenanthrene and Pyrene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:39**

Sample: 376332 **Soil, NSP-SE-SQT7-0605-C** **Collected: 06/23/05** **Analyzed: 07/25/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	2	65	220
Acenaphthylene	[150]	ug/Kg	2	61	200
Anthracene	[130]	ug/Kg	2	77	260
Benzo[a]anthracene	520	ug/Kg	2	68	230
Benzo[a]pyrene	670	ug/Kg	2	68	230
Benzo[b]fluoranthene	470	ug/Kg	2	75	250
Benzo[g,h,i]perylene	300	ug/Kg	2	65	220
Benzo[k]fluoranthene	[180]	ug/Kg	2	76	250
Chrysene	510	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	620	ug/Kg	2	75	250
Fluorene	ND	ug/Kg	2	65	220
Indeno[1,2,3-cd]pyrene	210	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	370	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	1100	ug/Kg	2	71	240
Benzo[e]pyrene	370	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	64%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	69%				
Terphenyl-d14 (SURR**)	59%				

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Phenanthrene and Pyrene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:39**

Sample: 376333 **Soil, NSP-SE-SQT7-0605-D MS/MSD** **Collected: 06/23/05** **Analyzed: 07/25/05 -**

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	[140]	ug/Kg	2	68	230
Benzo[a]pyrene	[150]	ug/Kg	2	68	230
Benzo[b]fluoranthene	[110]	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	[120]	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	270	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	370	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	460	ug/Kg	2	71	240
Benzo[e]pyrene	ND	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	62%				
Phenol-d5 (SURR**)	67%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	67%				
Terphenyl-d14 (SURR**)	65%				

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Phenanthrene and Pyrene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:39**

Sample: 376334 **Soil, NSP-SE-SQT7-0605-E** **Collected: 06/23/05** **Analyzed: 07/25/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	1100	ug/Kg	5	160	540
Acenaphthylene	ND	ug/Kg	5	150	510
Anthracene	960	ug/Kg	5	190	640
Benzo[a]anthracene	830	ug/Kg	5	170	570
Benzo[a]pyrene	830	ug/Kg	5	170	570
Benzo[b]fluoranthene	[610]	ug/Kg	5	190	630
Benzo[g,h,i]perylene	[340]	ug/Kg	5	160	540
Benzo[k]fluoranthene	ND	ug/Kg	5	190	640
Chrysene	760	ug/Kg	5	180	590
Dibenzo[a,h]anthracene	ND	ug/Kg	5	170	570
Dibenzofuran	ND	ug/Kg	5	160	530
Fluoranthene	1900	ug/Kg	5	190	620
Fluorene	560	ug/Kg	5	160	540
Indeno[1,2,3-cd]pyrene	[270]	ug/Kg	5	160	520
1-Methylnaphthalene	[300]	ug/Kg	5	160	530
2-Methylnaphthalene	[330]	ug/Kg	5	160	520
2-Methylphenol	ND	ug/Kg	5	130	430
3 & 4-Methylphenol	ND	ug/Kg	5	270	960
Naphthalene	[250]	ug/Kg	5	150	510
Phenanthrene	3700	ug/Kg	5	180	610
Phenol	ND	ug/Kg	5	140	470
Pyrene	3300	ug/Kg	5	180	590
Benzo[e]pyrene	[460]	ug/Kg	5	190	640
Biphenyl	ND	ug/Kg	5	150	640
2,6-Dimethylnaphthalene	[610]	ug/Kg	5	200	680
2,3,5-Trimethylnaphthalene	ND	ug/Kg	5	180	590
1-Methylphenanthrene	[400]	ug/Kg	5	190	650
Perylene	ND	ug/Kg	5	270	890
2-Fluorophenol (SURR**)	59%				
Phenol-d5 (SURR**)	68%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	74%				
2,4,6-Tribromophenol (SURR**)	62%				
Terphenyl-d14 (SURR**)	62%				

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Phenanthrene and Pyrene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: 8270SNSP** **Printed: 10/10/2005 11:39**

Sample: 376335 **Soil, NSP-SE-SQDUP14-0605** **Collected: 06/23/05** **Analyzed: 07/25/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	2	65	220
Acenaphthylene	[95]	ug/Kg	2	61	200
Anthracene	ND	ug/Kg	2	77	260
Benzo[a]anthracene	300	ug/Kg	2	68	230
Benzo[a]pyrene	380	ug/Kg	2	68	230
Benzo[b]fluoranthene	290	ug/Kg	2	75	250
Benzo[g,h,i]perylene	[170]	ug/Kg	2	65	220
Benzo[k]fluoranthene	[110]	ug/Kg	2	76	250
Chrysene	290	ug/Kg	2	71	240
Dibenzo[a,h]anthracene	ND	ug/Kg	2	68	230
Dibenzofuran	ND	ug/Kg	2	63	210
Fluoranthene	370	ug/Kg	2	75	250
Fluorene	ND	ug/Kg	2	65	220
Indeno[1,2,3-cd]pyrene	[110]	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	250	ug/Kg	2	73	240
Phenol	ND	ug/Kg	2	56	190
Pyrene	640	ug/Kg	2	71	240
Benzo[e]pyrene	[220]	ug/Kg	2	76	250
Biphenyl	ND	ug/Kg	2	60	250
2,6-Dimethylnaphthalene	ND	ug/Kg	2	82	270
2,3,5-Trimethylnaphthalene	ND	ug/Kg	2	71	240
1-Methylphenanthrene	ND	ug/Kg	2	78	260
Perylene	ND	ug/Kg	2	110	360
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	69%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	68%				
Terphenyl-d14 (SURR**)	60%				

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Phenanthrene and Pyrene.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: ***Template: 8270SNSP*** ***Printed: 10/10/2005 11:39***

Sample: 376336 **Soil, NSP-SE-SQDUP15-0605** **Collected: 06/24/05** **Analyzed: 07/25/05 -**

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	[110]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	60%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	64%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	64%				

Additional non-target compounds present.

** 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: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:39**

Sample: 376330 **Soil, NSP-SE-SQT7-0605-A** **Collected: 06/23/05** **Analyzed: 07/07/05 -**

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	[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	[47]	ug/kg	1	19	63
Dibromofluoromethane (SURR**)	92%				
Toluene-d8 (SURR**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	95%				

Sample: 376331 **Soil, NSP-SE-SQT7-0605-B** **Collected: 06/23/05** **Analyzed: 07/07/05 -**

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	[32]	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**)	96%				

Sample: 376332 **Soil, NSP-SE-SQT7-0605-C** **Collected: 06/23/05** **Analyzed: 07/07/05 -**

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	[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**)	91%				
Toluene-d8 (SURR**)	97%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:39**

Sample: 376333 **Soil, NSP-SE-SQT7-0605-D MS/MSD** **Collected: 06/23/05** **Analyzed: 07/07/05 -**

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	[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**)	89%				
Toluene-d8 (SURR**)	97%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 376334 **Soil, NSP-SE-SQT7-0605-E** **Collected: 06/23/05** **Analyzed: 07/07/05 -**

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	[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**)	93%				
Toluene-d8 (SURR**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 376335 **Soil, NSP-SE-SQDUP14-0605** **Collected: 06/23/05** **Analyzed: 07/07/05 -**

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	[33]	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**)	96%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 90638**
Project Description: Xcel Ashland Sediment Samples
Project Title: **Template: SAT2SNSP** **Printed: 10/10/2005 11:39**

Sample: 376336 **Soil, NSP-SE-SQDUP15-0605** **Collected: 06/24/05** **Analyzed: 07/07/05 -**

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	[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-Trimetnylbenzene	ND	ug/kg	1	19	63
Dibromofluoromethane (SURR**)	90%				
Toluene-d8 (SURR**)	99%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 376337 **Trip Blank** **Collected: 06/24/05** **Analyzed: 07/07/05 -**

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**)	94%				
Toluene-d8 (SURR**)	100%				
1-Bromo-4-Fluorobenzene (SURR**)	95%				

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

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

1 of 2

CLIENT	URS CORPORATION
ADDRESS	10200 INNOVATION DR.; SUITE 500
CITY / STATE / ZIP	MILWAUKEE / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PAUL SKLAR
PHONE	414 831 4100
PURCHASE ORDER NO.	FAX 414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 77062

ITEM NO.	NLS LAB NO	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: 5VOCs/BTEX	NAPHTHALENE	CHLOROBENZENE	VOCs	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375092	NSP-SE-SS-1-0605	6/15/05	12:05	SE	X	X	X	X	
2.	375093	NSP-SE-SS-2-0605	6/15/05	11:45		X	X	X	X	
3.	375094	NSP-SE-SS-3-0605	6/15/05	11:15		X	X	X	X	
4.	375095	NSP-SE-SS-4-0605	6/15/05	10:50		X	X	X	X	
5.	375096	NSP-SE-SS-5-0605	6/14/05	16:40		X	X	X	X	1 VOC VIAL
6.	375097	NSP-SE-SS-6-0605	6/14/05	16:15		X	X	X	X	
7.	375098	NSP-SE-SS-7-0605	6/14/05	15:40		X	X	X	X	
8.	375099	NSP-SE-SS-8-0605	6/14/05	17:00		X	X	X	X	
9.	375100	NSP-SE-SS-9-0605	6/14/05	17:15		X	X	X	X	1 VOC VIAL
10.	375101	NSP-SE-SS-10-0605	6/15/05	~~13:45~~ 12:50	SE	X	X	X	X	MS/MSD

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature) 14:25 6/16/05	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
URS CORP.
ATTN: PAUL SKLAR

RECEIVED AT NLS BY (signature)	DATE/TIME 6-17-05 10:15	CONDITION Good	TEMP. ON ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

INVOICE TO
URS CORPORATION

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

2 of 2

CLIENT	
ADDRESS	SAME AS PREVIOUS
CITY	STATE ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 77063

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOCs/PAH	METALS	CHLORIDE	VOCs	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375102	NSP-SE-SS-11-0605	6/15/05	13 15	SE	X	X	X	X	
2.	375103	NSP-SE-SS-12-0605	6/15/05	~~12 15~~ 13 45		X	X	X	X	
3.	375104	NSP-SE-SS-13-0605	6/15/05	14 15		X	X	X	X	
4.	375105	NSP-SE-SS-14-0605	6/15/05	14 45		X	X	X	X	
5.	375106	NSP-SE-SSDUP#1-0605	6/14/05	16 40	SE	X	X	X	X	
6.	375107	NSP-SE-SQTRIPBLANK02-0605			OTHER					TRIP BLANK
7.										
8.										
9.										
10.										

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature) 6/14/05 14 25	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: SAME AS PREVIOUS

INVOICE TO:

RECEIVED AT NLS BY (signature)	DATE/TIME 6-17-05 10:15	CONDITION Good	TEMP. ON ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

AND LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

1 of 17

CLIENT	URS CORPORATION
ADDRESS	10200 INNOVATION DR; SUITE 500
CITY / STATE / ZIP	MILWAUKEE / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PAUL SKLAR
PHONE	414 831 4100
PURCHASE ORDER NO.	
FAX	414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 76428

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC / PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375487	NSP-SE-C2-1-0605-02	6/16/05	15:02	SED	X	Received Broken
2.	375488	-04		:04			
3.	375489	-06		:06			
4.	375490	-08		:08			
5.	375491	-10		:10			
6.	375492	-12		:12			
7.	375493	-14		:14			
8.	375494	-16		:16			
9.	375495	-18		:18			
10.	375496	-20		:20			

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0800 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
URS CORPORATION
ATTN: PAUL SKLAR

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 48-95	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

INVOICE TO
URS CORPORATION

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
2. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

2 of 8 "1

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milwaukee WI 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 76429

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC / PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375497	NSP-SE-C2-1-0605-22	6/16/05	15:22	SED	X	
2.	375498	-24		:24			
3.	375499	-26		:26			
4.	375500	-28		:28			
5.	375501	-30		:30			
6.	375502	-32		:32			
7.	375503	-34		:34			
8.	375504	-36		:36			
9.	375505	-38		:38			
10.	375506	-40		:40			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0800 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 49-95	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

1089

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

3 of 8

CLIENT	URS Corp
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	4148314100
PURCHASE ORDER NO.	FAX 4148314101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 76430

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375507	NSP-SE-CZ-1-0605-42	6/16/05	15:42	SED	X	
2.	375508	-44		:44			
3.	375509	-46		:46			
4.	375510	-48		:48			
5.	375511	-50		:50			
6.	375512	-52		:52			
7.	375513	-54		:54			
8.	375514	-56		:56			
9.	375515	-58		:58			
10.	375516	-60		16:00			MS/MSD

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0800 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 48-95	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND [illegible] UDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC. 4 of ~~6~~ 7

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

CLIENT: URS Corp	
ADDRESS: 10200 Innovation Dr	
CITY: Milw. STATE: WI	ZIP: 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT: Paul Sklar	PHONE: 414 831 4100
PURCHASE ORDER NO.	FAX: 414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

NO. 76431

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		SVOC/PAN										COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375517	NSP-SE-C4-1-06 05-02	6/16/05	16 :02	SED		X										
2.	375518	-04		:04													
3.	375519	-06		:06													
4.	375520	-08		:08													
5.	375521	-10		:10													
6.	375522	-12		:12													
7.	375523	-14		:14													
8.	375524	-16		:16													
9.	375525	-18		:18													
10.	375526	-20		:20													

ONE SAMPLE PER LINE

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0800 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 48-95	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

1089

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

5 of 6

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	4148314100
PURCHASE ORDER NO.	
FAX	4148314101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 76432

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375527	NSP54-C44-0605-22	6/16/05	16:22	SED	X		
2.	375528	-24		:24				
3.	375529	-26		:26				
4.	375530	-28		:28				
5.	375531	-30		:30				
6.	375532	-32		:32				
7.	375533	-34		:34				
8.	375534	-36		:36				
9.	375535	-38		:38				
10.	375536	-40		:40				

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0800 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. ON ICE
COOLER # 48-95	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

INVOICE TO

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

6 of 6 pw 7

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr.
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	4148314100
PURCHASE ORDER NO.	
FAX	414 831 4101

MATRIX:
SW = surface water
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GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 76433

ITEM NO.	LAB USE ONLY	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375537	NSP-SS-C4-1-0605-42	6/16/05	:42	SED	T	
2.	375538	-44		:44			
3.	375539	-46		:46			
4.	375540	-48		:48			
5.	375541	-50		:50			
6.	375542	-52		:52			
7.	375543	-54		:54			
8.	375544	-56		:56			
9.	375545	-58		:58			
10.	375546	-60		17:00			MS/MSD

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0800 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 48-95	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

1089

4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO, AGREE TO ...

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

707 1

CLIENT	URS Corp
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	M/W. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414 831 4100
PURCHASE ORDER NO.	FAX 414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 77074

ITEM NO.	NLS LAB NO	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375547	NSP-SE-SQ DUP02-0605	6/16/05	1601	SED	X		DUP
2.	375548	NSP-SE-SQ DUP03-0605	6/16/05	1651	SED	X		DUP
3.	375549	NSP-SE-SQ DUP05-0605	6/16/05	1737	SED	X		DUP
4.	375550	NSP-SE-SQ DUP06-0605	6/17/05	1401	SED	X		DUP
5.	375551	NSP-SE-SQ DUP 07 0605	6/17/05	1437	SED	X		DUP
6.	375552	NSP SE-SQ DUP08-0605	6/A/05	0839	SED	X		DUP
7.								
8.								
9.								
10.								

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0800 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 48-95	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES

1029 V

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

1 of 6

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr. #500
CITY / STATE / ZIP	Milwaukee WI 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414 831-4100
PURCHASE ORDER NO.	
FAX	414 831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH

NO. 77323

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375613	NSP-SE-C3-1-060502	6/14/05	14:02	SED	X	
2.	375614	-04		:04			
3.	375615	-06		:06			
4.	375616	-08		:08			
5.	375617	-10		:10			
6.	375618	-12		:12			
7.	375619	-14		:14			
8.	375620	-16		:16			
9.	375621	-18		:18			
10.	375622	-20		:20			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY) 0815	DATE/TIME 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. ON ICE
COOLER # 48-143	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

INVOICE TO

PRESERVATIVE
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hycrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	FAX 414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 77324

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: 5VOC/PAH	USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375623	NSPSE-B3-1-0605-22	6/17/05	14:22	SED	X		
2.	375624	-24		:24				
3.	375625	-26		:26				
4.	375626	-28		:28				
5.	375627	-30		:30				
6.	375628	-32		:32				
7.	375629	-34		:34				
8.	375630	-36		:36				
9.	375631	-38		:38				
10.	375632	-40		:40				

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0815 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 48-143	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED. PLEASE USE ONE LINE PER SAMPLE. **NOT** PER BOTTLE.
2. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
3. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

3 of 6

CLIENT	URS Corp
ADDRESS	10200 Innovation
CITY / STATE / ZIP	Milwaukee WI 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414 831-4100
PURCHASE ORDER NO.	
FAX	414 831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 77325

ITEM NO.	NLS LAB NO	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375633	MSP-SE-C3-1-0605-42	6/17/05	14:42	SED	X	
2.	375634	-44		:44			
3.	375635	-46		:46			
4.	375636	-48		:48			
5.	375637	-50		:50			
6.	375638	-52		:52			
7.	375639	-54		:54			
8.	375640	-56		:56			
9.	375641	-58		:58			
10.	375642	-60		15:00			MS/MSD

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0815 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 48-143	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLES LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NO. 77326

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	FAX 414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375643	NSP55-C6-1B-0605-02	6/19/05	0802	SED	X	
2.	375644	-04		:04			
3.	375645	-06		:06			
4.	375646	-08		:08			
5.	375647	-10		:10			
6.	375648	-12		:12			
7.	375649	-14		:14			
8.	375650	-16		:16			
9.	375651	-18		:18			
10.	375652	-20		:20			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0815 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 48-143	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND [illegible]DED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. .. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
[illegible] AND LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

5 of 6

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414 831-4100
PURCHASE ORDER NO.	FAX 414 831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 77327

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375653	NSP-SC-16-1B-0605-22	6/19/05	0822	SED	X	
2.	375654	-24		:24			
3.	375655	-26		:26			
4.	375656	-28		:28			
5.	375657	-30		:30			
6.	375658	-32		:32			
7.	375659	-34		:34			
8.	375660	-36		:36			
9.	375661	-38		:38			
10.	375662	-40		:40			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0815 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 48-143	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE. LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

6 of 6

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr.
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414 831 4100
PURCHASE ORDER NO.	
FAX	414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS: SVOC / PAH

NO. 77328

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375663	NSP-SE-C6-1B-0605-42	6/19/05	0842	SED	
2.	375664	-44		:44		
3.	375665	-46		:46		
4.	375666	-48		:48		
5.	375667	-50		:50		
6.	375668	-52		:52		
7.	375669	-54		:54		
8.	375670	-56		:56		
9.	375671	-58		:58		
10.	375672	-60		0900		MS/MSD

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME: 0815 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME: 6-21-05 10:15	CONDITION: Good	TEMP.: On ICE
COOLER # 48-143	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND [illegible]DED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

1 of 6

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milwaukee / WI / 53226
PROJECT DESCR PTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	FAX 414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 76435

ITEM NO.	NLS LAB NO	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC / PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375553	NSP-SE-C1-1-060502	6/16/05	17:02	SED	X	
2.	375554	-04		:04			
3.	375555	-06		:06			
4.	375556	-08		:08			
5.	375557	-10		:10			
6.	375558	-12		:12			
7.	375559	-14		:14			
8.	375560	-16		:16			
9.	375561	-18		:18			
10.	375562	-20		:20			

USE BOXES BELOW: Indicate Y or N if GW Sample is field filterec.
Indicate G or C if WW Sample is Grab or Composite.

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0845 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. ON ICE
COOLER # 50-16	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO

INVOICE TO

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414 831-4100
PURCHASE ORDER NO.	FAX 414 831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 76434

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375563	NSP-S-C1-1-0605-22	6/16/05	17:22	SED	X	
2.	375564	-24		:24			
3.	375565	-26		:26			
4.	375566	-28		:28			
5.	375567	-30		:30			
6.	375568	-32		:32			
7.	375569	-34		:34			
8.	375570	-36		:36			
9.	375571	-38		:38			
10.	375572	-40		:40			

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ONE SAMPLE PER LINE

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0845 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05	CONDITION Good	TEMP. on ICE
COOLER # 50-16	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE: NP = no preservative; N = nitric acid; OH = sodium hydroxide; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

306

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

CLIENT	URS Corp.
ADDRESS	10200 Innovations Dr.
CITY / STATE / ZIP	Milw / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT: Paul Sklar	PHONE: 414-831-4100
PURCHASE ORDER NO.	FAX: 414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS: SVOC / PAH

NO. 77319

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375573	NSP-SED-1-0605-42	6/16/05	17:42	SED	X	
2.	375574	-44		17:44			
3.	375575	-46		:46			
4.	375576	-48		:48			
5.	375577	-50		:50			
6.	375578	-52		:52			
7.	375579	-54		:54			
8.	375580	-56		:56			
9.	375581	-58		:58			
10.	375582	-60		18:00			MS/MSD

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY) 0845	DATE/TIME 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 50-16	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
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4. PARTIES COLLECTING SAMPLE, LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

7

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr.
CITY / STATE / ZIP	Milw. / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	FAX 414-831-4101

MATRIX:
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WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS: SVOC / PAH

NO. 77320

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375583	NSP-SE-C5-1-1605-02	6/17/05	13:02	SED	X	
2.	375584	-04		:04			
3.	375585	-06		:06			
4.	375586	-08		:08			
5.	375587	-10		:10			
6.	375588	-12		:12			
7.	375589	-14		:14			
8.	375590	-16		:16			
9.	375591	-18		:18			
10.	375592	-20		:20			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0845 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 10-21-05 10:15	CONDITION Good	TEMP. ONICE
COOLER # 50-16	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.

✓

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NO. 77321

CLIENT	URS Corp
ADDRESS	10200 Innovation Dr.
CITY / STATE / ZIP	Milw / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414 831-4100
PURCHASE ORDER NO.	
FAX	414 831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC/PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375593	WSP-SED-C5-1-0605-02	6/17/05	13:22	SED	X	
2.	375594	-04		:24			
3.	375595	-06		:26			
4.	375596	-08		:28			
5.	375597	-30		:30			
6.	375598	-32		:32			
7.	375599	-34		:34			
8.	375600	-36		:36			
9.	375601	-38		:38			
10.	375602	-40		:40			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 0845 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 50-16	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

INVOICE TO

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

6 of 6

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr
CITY / STATE / ZIP	Milw / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT: Paul Sklar	PHONE 414 831-4100
PURCHASE ORDER NO.	FAX 414 831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 77322

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: + Stoc / PAH	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375603	NSP-SE-CI-1-0605-42	6/17/05	13:42	SED	X	
2.	375604	-44		:44			
3.	375605	-46		:46			
4.	375606	-48		:48			
5.	375607	-50		:50			
6.	375608	-52		:52			
7.	375609	-54		:54			
8.	375610	-56		:56			
9.	375611	-58		:58			
10.	375612	-60	6/17/05	14:00			MS/MSD

COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME: 0845 6/20/05

RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME

DISPATCHED BY (signature) | METHOD OF TRANSPORT | DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 6-21-05 10:15 | CONDITION: Good | TEMP.: On ICE

COOLER # 50-16

REMARKS & OTHER INFORMATION

WDNR FACILITY NUMBER | E-MAIL ADDRESS

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND [illegible]UDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 77075

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr #500
CITY / STATE / ZIP	Milwaukee WI 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	FAX 414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
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SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Y/N G	Y/N G	Y/N G	Metals: Ag As Cd Cr Pb Se Hg (Solid) SUOC	VOCs	ADL	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375444	NSP-SE-SQT1-0605-D	6/19/05	09:15	SW/SOIL		X	X	X			
2.	375445	NSP-SE-SQT1-0605-E	6/19/05	09:30	↓		X	X	X			
3.	375446	NSP-SE-SQT01-0605-A	6/19/05	08:30			X	X	X			
4.	375447	NSP-SE-SQT1-0605-C	6/19/05	09:00			X	X	X			
5.	375448	NSP-SE-SQDUP09-0605-DUP	6/19/05	09:05			X	X	X			
6.	375449	NSP-SE-SQT1-0605-B	6/19/05	0845			X	X	X			
7.	375450	NSP-SQT2-0605-B	6/19/05	1400			X	X	X			
8.	375451	NSP-SE-SQT2-0605-A	6/19/05	~~1455~~ 1345			X	X	X			
9.	375452	NSP-SE-SQT9-0605-A	6/18/05	1455			X	X	X			
10.	375453	NSP-SE-SQT9-0605-D	6/18/05	1535	↓		X	X	X			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 1030 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 48-39	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT:

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ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 77076

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY	Milwaukee
STATE	WI
ZIP	53226
PROJECT DESCRIPTION / NO.	
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414 831-4100
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
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SED = sediment
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SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Metals GN % Solid	SVOCs	VOCs	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375454	NSP-SESQT-2-0605-E	6/19/05	1445	SW SOIL	X	X	X	
2.	375455	NSP-SE-SQT2-0605-C	6/19/05	1415		X	X	X	
3.	375456	NSP-SE-SQT2-0605-D	6/19/05	1430		X	X	X	
4.	375457	NSP-SE-SQT9-0605-C	6/18/05	1515		X	X	X	
5.	375458	NSP-SE-SQT9-0605-B	6/18/05	1500		X	X	X	
6.	375459	NSP-SE-SQT9-0605-E	6/18/05	1555		X	X	X	
7.		NSP-SQEQUIP08-0605	6/19/05	1700		X	X	X	
8.	375460	NSP-SE-SQ-TRIPBLANK-03-0605		—				X	
9.		NSP-SE-SQ-TRIPBLANK-04-0605		—				X	
10.									

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 1030 6/20/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-21-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 48-57	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
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M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

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SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 77087

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY	Milwaukee
STATE	WI
ZIP	53226
PROJECT DESCRIPTION / NO.	Ashland / NSP LAKEFRONT
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
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SED = sediment
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SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		Metals, CN, % Solids (G)	SVOC (G)	VOC (G)									COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375948	NSP-SE-SQT3-0605-A	6/21/05	14:50	S		X	X	X									
2.	375949	-B		15:10			X	X	X									
3.	375950	-C		15:20			X	X	X									
4.	375951	-D		15:30			X	X	X									
5.	375952	-E		15:40			X	X	X									
6.	375953	NSP-SE-SQT11-0605-A		09:35			X	X	X									
7.	375954	-B		09:45			X	X	X									
8.	375955	-C		09:55			X	X	X									
9.	375956	-D		10:05			X	X	X									
10.	375957	-E		10:15			X	X	X									

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/21/05 1730
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/22/05 1030
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-23-05 10:30	CONDITION Good	TEMP. on ICE
COOLER # 48-184	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC. 1 of 2

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 77088

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr. #500
CITY / STATE / ZIP	Milwaukee WI 53226
PROJECT DESCRIPTION / NO.	Ashland / NSP Lakefront
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Metals CN % Solids (G)	SVOC (G)	VOC (C)	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	376177	NSP-SE-SQT4-0605-A	6/22/05	0850		X	X	X	
2.	376178	-B		0900		X	X	X	
3.	376179	-C		0910		X	X	X	
4.	376180	-D		0920		X	X	X	
5.	376181	-E		0930		X	X	X	
6.	376182	NSP-SE-SQT6-0605-A		1535		X	X	X	
7.	376183	-B		1545		X	X	X	
8.	376184	-C		1555		X	X	X	
9.	376185	-D		1605		X	X	X	
10.	376186	-E		1615		X	X	X	

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/22/05 1800
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/23/05 0900
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: Same

INVOICE TO: Same

RECEIVED AT NLS BY (signature)	DATE/TIME 6-24-05 10:15	CONDITION Good	TEMP. on ICE
COOLER # 48-179	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND [illegible]DED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NO. 77089

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY	Milwaukee
STATE	WI
ZIP	53226
PROJECT DESCRIPTION / NO.	NSP Lakefront / Ashland
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		Metals, CN % Solids (N/G)	SVOC (N/G)	VOC (N/G)									COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375746	NSP-SE-SQT12-0605-A	6/20/05	1330	W/S		X	X	X									
2.	375747	-B		1340			X	X	X									
3.	375748	-C		1350			X	X	X									
4.	375749	-D		1400			X	X	X									
5.	375750	-E		1410			X	X	X									
6.	375757	NSP-SE-SQDUP11-0605		1335			X	X	X									
7.		NSP-SQEQUIPBLANK-09-0605		1600			X	X	X									
8.																		
9.																		
10.																		

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/20/05 1800
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/21/05 1000
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-22-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 50-28	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY	Milwaukee
STATE	WI
ZIP	53226
PROJECT DESCRIPTION / NO.	ASHLAND / NSP LAKEFRONT
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

NO. 77090

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		Metals & N % Solids	SVOC	VOC								COLLECTION REMARKS (i.e. DNR Well ID #)
							G	G	G								
1.	375958	NSP-SE-SQDUP12-0605	6/21/05	15:15	W/S		X	X	X								
2.		NSP-SQ EQUIPBLANK10-0605	↓	17:45	↓		X	X	X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 1730 6/21/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 1030 6/22/05
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-23-05 10:30	CONDITION Good	TEMP. on ICE
COOLER # 48-184	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AN[illegible]LUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

2 of 2

CLIENT	Same
ADDRESS	
CITY / STATE / ZIP	
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 77091

ITEM NO.	NLS LAB NO	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: N/A	SVOC	VOC										COLLECTION REMARKS (i.e. DNR Well ID #)
1.	376187	Trip Blank	6/22/05	1800			X	X										Not SVOC
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/22/05 1800
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/23/05 0900
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: Same

INVOICE TO: Same

RECEIVED AT NLS BY (signature)	DATE/TIME 6-24-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 48-179	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 77092

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr. #500
CITY / STATE / ZIP	Milwaukee / WI / 53226
PROJECT DESCRIPTION / NO.	Ashland / NSP Lakefront
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS: Metals (As, Cd, Cr, Pb, Se) by SW6010; SVOC; VOC

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Metals	SVOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	376188	NSP-SE-SOIL5-0605 A	6/22/05	1220	S/W	X	X	X	
2.	376189	- B		1230		X	X	X	
3.	376190	- C		1240		X	X	X	
4.	376191	- D		1250		X	X	X	
5.	376192	- E		1300		X	X	X	
6.	376193	NSP-SE-SOILDUP13-0605		1225		X	X	X	
7.		NSP-SOILEQUIPBLANK1-0605		1815		X	X	X	
8.		TRIP BLANK		1900	W		X	X	
9.									
10.									

COLLECTED BY (signature) — CUSTODY SEAL NO. (IF ANY) — DATE/TIME 6/22/05 1900

RELINQUISHED BY (signature) — RECEIVED BY (signature) — DATE/TIME 6/23/05 1000

DISPATCHED BY (signature) — METHOD OF TRANSPORT — DATE/TIME

REPORT TO: Same

INVOICE TO: Same

RECEIVED AT NLS BY (signature) — DATE/TIME 6-24-05 10:15 — CONDITION Good — TEMP. ON ICE

COOLER # 48-105

REMARKS & OTHER INFORMATION

WDNR FACILITY NUMBER — E-MAIL ADDRESS

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

... LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC. 2 of 2
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

CLIENT	
ADDRESS	
CITY	STATE / ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

Same

MATRIX:
SW = surface water
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GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

NO. 77101

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Metals, CN % Solids	SVOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
						G	G	G	
1.	376330	NSP-SESQT1-0605-A	6/23/05	0935	S	X	X	X	
2.	376331	-B		0945		X	X	X	
3.	376332	-C		0955		X	X	X	
4.	376333	-D		1005		X	X	X	MS/MSD
5.	376334	-E		1015		X	X	X	
6.	376335	NSP-SE-SQDUP14-0605	6/23/05	1000		X	X	X	
7.	376336	NSP-SE-SQDUP15-0605	6/24/05	1200		X	X	X	
8.	376337	TRIP BLANK	—	—	S/W	X	X	X	
9.									
10.									

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/24/05 2100
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/25/05 1400
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: Same

INVOICE TO: Same

RECEIVED AT NLS BY (signature)	DATE/TIME 6/25/05 14:00	CONDITION Good	TEMP. On ILE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE. LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

1 of 2

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY / STATE / ZIP	Milwaukee / WI / 53226
PROJECT DESCRIPTION / NO.	Ashland / NSP Lakefront
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414-831-4100
PURCHASE ORDER NO.	
FAX	414-8314101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 77102

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: Metals for Solids	8260	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
						G	G	G	
1.	376320	NSP-SE-SQT8-0605-A	6/24/05	0735	S	X	X	X	
2.	376321	-B		0745		X	X	X	
3.	376322	-C		0755		X	X	X	
4.	376323	-D		0805		X	X	X	
5.	376324	-E		0815		X	X	X	
6.	376325	NSP-SE-SQT10-0605-A		1155		X	X	X	
7.	376326	-B		1205		X	X	X	
8.	376327	-C		1215		X	X	X	
9.	376328	-D		1225		X	X	X	
10.	376329	-E		1235		X	X	Y	MS/MSD

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/24/05 2100
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/25/05 1400
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: Same

INVOICE TO: Same

RECEIVED AT NLS BY (signature)	DATE/TIME 6/25/05 14:00	CONDITION Good	TEMP. On ICE
COOLER #	REMARKS & OTHER INFORMATION		
WDNR FACILITY NUMBER	E-MAIL ADDRESS paul_sklar@urscorp.com		

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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4. PARTIES COLLECTING SAMPLE LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 77103

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY / STATE / ZIP	Milwaukee / WI / 53226
PROJECT DESCRIPTION / NO.	Ashland
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Skkar
PHONE	414-831-4100
PURCHASE ORDER NO.	
FAX	414-831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: Metal, Cl	SVOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
						G	G	G	
1.	376338	NSP-SEEQUIPBLANK13-0605	6/23/05	1550	W	X	X	X	
2.	376339	NSP-SEEQUIPBLANK13-0605	6/24/05	1740	↓	X	X	X	
3.	376340	NSP-SE-SQFIELDBLANK-02-0605	↓	1750	↓	X	X	X	
4.									
5.									
6.									
7.									
8.									
9.									
10.									

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/24/05 2130
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/25/05 1400
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: Same

INVOICE TO: Same

RECEIVED AT NLS BY (signature)	DATE/TIME 6/25/05 14:00	CONDITION Good	TEMP. On ICE
COOLER # 50-30	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS paul_skkar@URScorp.com	

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
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4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 107884

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

July 18, 2005

Mr. Paul Sklar
URS Corporation
10200 Innovation Dr.
Suite 500
Milwaukee, WI 53226

Re: Laboratory Project No. 25000
Case: 25000; SDG: 107884

Dear Mr. Sklar:

Enclosed are the analytical results for samples received by STL Burlington on June 17, 2005. This report is sequentially numbered starting with page 0001 and ending with page 0277. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 06/17/05 ETR No: 107884		
625331	NSP-SE-SS-1-0605	06/15/05	Sediment
625332	NSP-SE-SS-2-0605	06/15/05	Sediment
625333	NSP-SE-SS-3-0605	06/15/05	Sediment
625334	NSP-SE-SS-4-0605	06/15/05	Sediment
625335	NSP-SE-SS-5-0605	06/14/05	Sediment
625336	NSP-SE-SQ-DUP01-0605	06/14/05	Sediment
625337	NSP-SE-SS-6-0605	06/14/05	Sediment
625338	NSP-SE-SS-7-0605	06/14/05	Sediment
625339	NSP-SE-SS-8-0605	06/14/05	Sediment
625340	NSP-SE-SS-9-0605	06/14/05	Sediment
625341	NSP-SE-SS-10-0605	06/15/05	Sediment
625342	NSP-SE-SS-11-0605	06/15/05	Sediment
625343	NSP-SE-SS-12-0605	06/15/05	Sediment
625344	NSP-SE-SS-13-0605	06/15/05	Sediment
625345	NSP-SE-SS-14-0605	06/15/05	Sediment

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

The original Total Organic Carbon analyses of all samples in this delivery group were accomplished on a sequence associated with continuing calibration blanks that exhibited the presence of carbon at concentrations above reporting limit. Samples that contained greater than ten times the concentration of carbon in the blanks were reported from this sequence. Samples NSP-SE-SS-4-0605, NSP-SE-SS-4-0605, NSP-SE-SS-10-0605, NSP-SE-SS-12-0605, NSP-SE-SS-13-0605 and NSP-SE-SS-14-0605 were re-analyzed beyond the routine holding time of 14 days from collection on acceptable sequences. Raw data for all acquisitions is provided in this case submittal.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to the requirements specified in the NELAC standard. Release of the data contained in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

James Madison
Project Manager

Enclosure
cc: Susanne Tomajko

0001B (last alpha)

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS CORPORATION	Company: URS CORPORATION
Address: 10200 INNOVATION DR. SUITE 500 MILWAUKEE, WI 53226	Address: 10200 INNOVATION DR; SUITE 500 MILWAUKEE, WI 53226
Contact: PAUL SKLAR	Contact: PAUL SKLAR
Phone: 414 831 4100	Phone: 414 831 4100
Fax: 414 831 4101	Fax: 414 831 4101
Contract/ Quote:	

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Sampler's Name: GARY LONG

Sampler's Signature: Gary Long

Proj. No.

Project Name: ASHLAND NSP/LAKEFRONT

No/Type of Containers²

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	ANALYSIS REQUESTED: TOTAL ORGANIC CARBON (TOC)	ANALYSIS REQUESTED: GRAIN SIZE	Lab/Sample ID (Lab Use Only)
SE	6/15/05	12⁰⁵		✓	NSP-SE-SS-1-0605				1	X	X	
	6/15/05	11⁴⁵		✓	NSP-SE-SS-2-0605				1	X	X	
	6/15/05	11¹⁵		✓	NSP-SE-SS-3-0605				1	X	X	
	6/15/05	10⁵⁰		✓	NSP-SE-SS-4-0605				1	X	X	
	6/14/05	16⁴⁰		✓	NSP-SE-SS-5-0605				1	X	X	
	6/14/05	16⁴⁰		✓	NSP-SE-SS-DUP-0605				1	X	X	
	6/14/05	16¹⁵		✓	NSP-SE-SS-6-0605				1	X	X	
	6/14/05	15⁴⁰		✓	NSP-SE-SS-7-0605				1	X	X	
	6/14/05	17⁰⁰		✓	NSP-SE-SS-8-0605				1	X	X	
SE	6/14/05	17¹⁵		✓	NSP-SE-SS-9-0605				1	X	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Gary L. Long	6/16/05	12⁰⁰		6/17/05	1030
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container VA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/ - Plastic or other _____

STL cannot accept verbal changes
Please Fax written changes to
(802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL
SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

1 of 2

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS CORPORATION	Company:
Address: 10200 INNOVATION DR., SUITE 500 MILWAUKEE, WI 53226	Address: SAME AS REPORT
Contact: PAUL SKLAR	Contact:
Phone: 414 831 4100	Phone:
Fax: 414 831 4101	Fax:
Contract/ Quote:	

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Sampler's Name: GARY LONG

Sampler's Signature: Gary Long

Proj. No.

Project Name: ASHLAND NSP/LAKEFRONT

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers[2] VOA	A/G 1 Lt.	250 ml	P/O	ANALYSIS REQUESTED: TOTAL ORGANIC CARBON (TOC)	GRAIN SIZE	Lab/Sample ID (Lab Use Only)
SE	6/15/05	12:50		✓	NSP-SE-SS-10-0605				1	X	X	
	6/15/05	13:15		✓	NSP-SE-SS-11-0605				1	X	X	
	6/15/05	13:45		✓	NSP-SE-SS-12-0605				1	X	X	
	6/15/05	14:15		✓	NSP-SE-SS-13-0605				1	X	X	
SE	6/15/05	14:45		✓	NSP-SE-SS-14-0605				1	X	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Remarks
Gary E. Long	6/16/05	12:00		6/17/05	1030	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

Sample Data Summary Package For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-1-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625331

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 33.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		33.0	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1520	112000	

Printed on: 07/15/05 03:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-2-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625332

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 30.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		30.8	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1620	106000	

Printed on: 07/15/05 03:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-3-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625333

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 53.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		53.2	
IN847	TOC by Lloyd Kahn	07/12/05	BLKLK0712A	mg/Kg	1		34800	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-4-0605

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 107884

Lab Code: STLVT **Case No.:** 25000 **Lab Sample ID:** 625334

Matrix: SEDIMENT **Client:** URSCO9 **Date Received:** 06/17/05

% Solids: 49.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		49.4	
IN847	TOC by Lloyd Kahn	07/12/05	BLKLK0712A	mg/Kg	1		50900	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-5-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625335

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 28.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		28.3	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1770	133000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQ-DUP01-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625336

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 28.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		28.1	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1780	133000	

Printed on: 07/15/05 03:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-6-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625337

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 29.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		29.8	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1680	171000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-7-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625338

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 30.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		30.9	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1620	328000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-8-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625339

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 38.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		38.2	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1310	138000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-9-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625340

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 28.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		28.8	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	1740	229000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-10-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625341

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 59.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		59.0	
IN847	TOC by Lloyd Kahn	07/12/05	BLKLK0712A	mg/Kg	1		16200	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-11-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625342

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 52.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		52.9	
IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	1	945	32400	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

NSP-SE-SS-12-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625343

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 76.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		76.4	
IN847	TOC by Lloyd Kahn	07/13/05	BLKLK0713A	mg/Kg	1	654	2080	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-13-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625344

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 72.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		72.3	
IN847	TOC by Lloyd Kahn	07/13/05	BLKLK0713A	mg/Kg	1	692	1810	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SS-14-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625345

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/17/05

% Solids: 71.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/28/05	N/A	%	1.0		71.7	
IN847	TOC by Lloyd Kahn	07/13/05	BLKLK0713A	mg/Kg	1	697	1420	

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WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107884

Lab Code: STLVT | Case No.: 25000

Matrix: SOIL | Client: URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK0626A	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	06/26/05	BLKLK0626A
BLKLK0712A	IN847	TOC by Lloyd Kahn	556	mg/Kg		1		07/12/05	BLKLK0712A
BLKLK0713A	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	07/13/05	BLKLK0713A

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WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON Contract: 25688375 SDG No.: 107884

Lab Code: STLVT Case No.: 25000

Matrix: SOIL Client: URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Recovery*
LCSLK0626A	IN847	TOC by Lloyd Kahn	06/26/05	BLKLK0626A	mg/Kg	8500	8400	101
LCSLK0712A	IN847	TOC by Lloyd Kahn	07/12/05	BLKLK0712A	mg/Kg	8530	8400	102
LCSLK0713A	IN847	TOC by Lloyd Kahn	07/13/05	BLKLK0713A	mg/Kg	8300	8400	99

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

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SEVERN TRENT STL

Geotechnical Analysis
Sample Data Summary Package

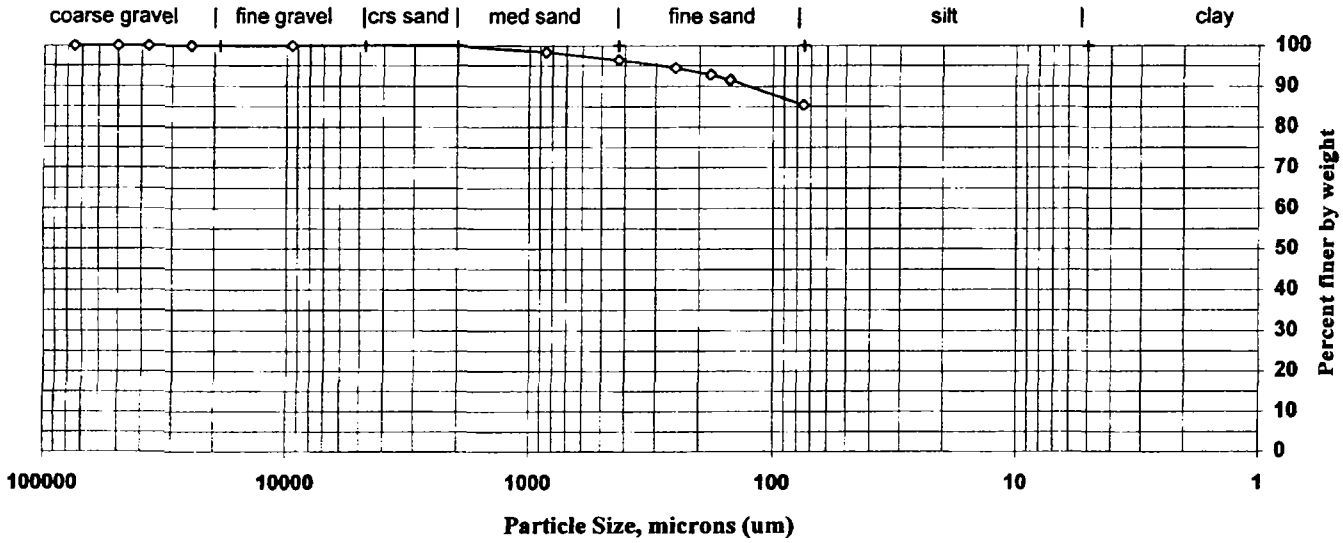
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625331 **Sample ID:** NSP-SE-SS-1-0605

Percent Solids:	35.8%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	4.5%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.4	1.6
#40	425	96.5	1.9
#60	250	94.5	2.0
#80	180	92.9	1.7
#100	150	91.6	1.3
#200	75	85.4	6.2
Hydrometer	0.0	0.0	85.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	14.6
Coarse Sand	0.0
Medium Sand	3.5
Fine Sand	11.1
Fines	85.4

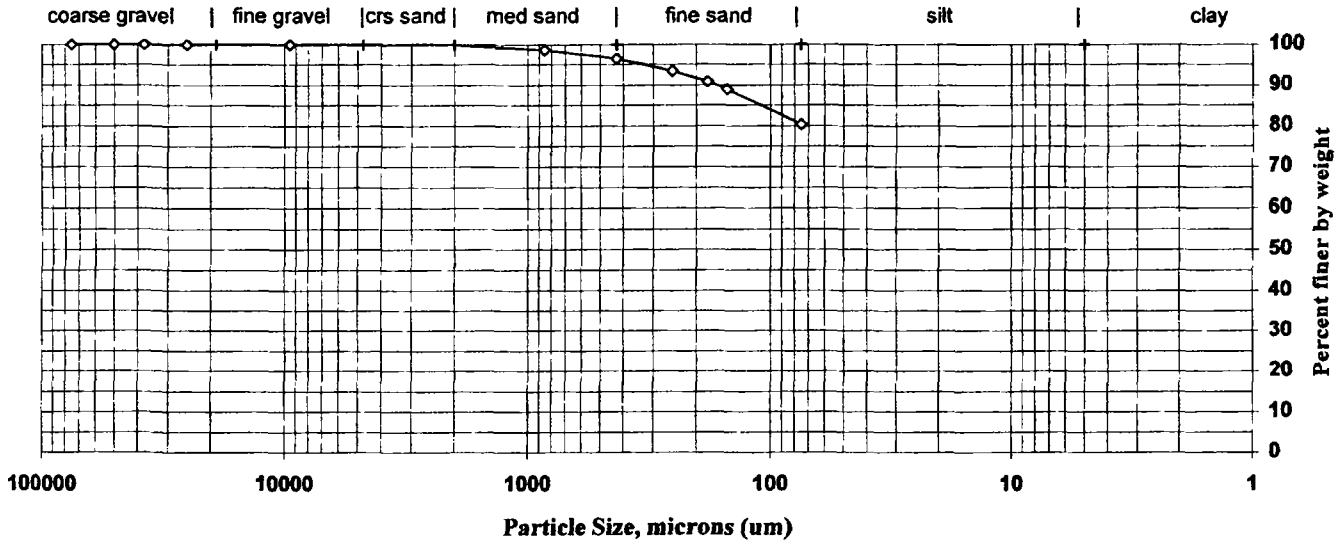
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625332 **Sample ID:** NSP-SE-SS-2-0605

Percent Solids:	33.1%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	4.6%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.6	1.4
#40	425	96.4	2.2
#60	250	93.5	3.0
#80	180	90.9	2.6
#100	150	88.9	1.9
#200	75	80.4	8.6
Hydrometer	0.0	0.0	80.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	19.6
Coarse Sand	0.0
Medium Sand	3.6
Fine Sand	16.1
Fines	80.4

Particle Size of Soils by ASTM D422

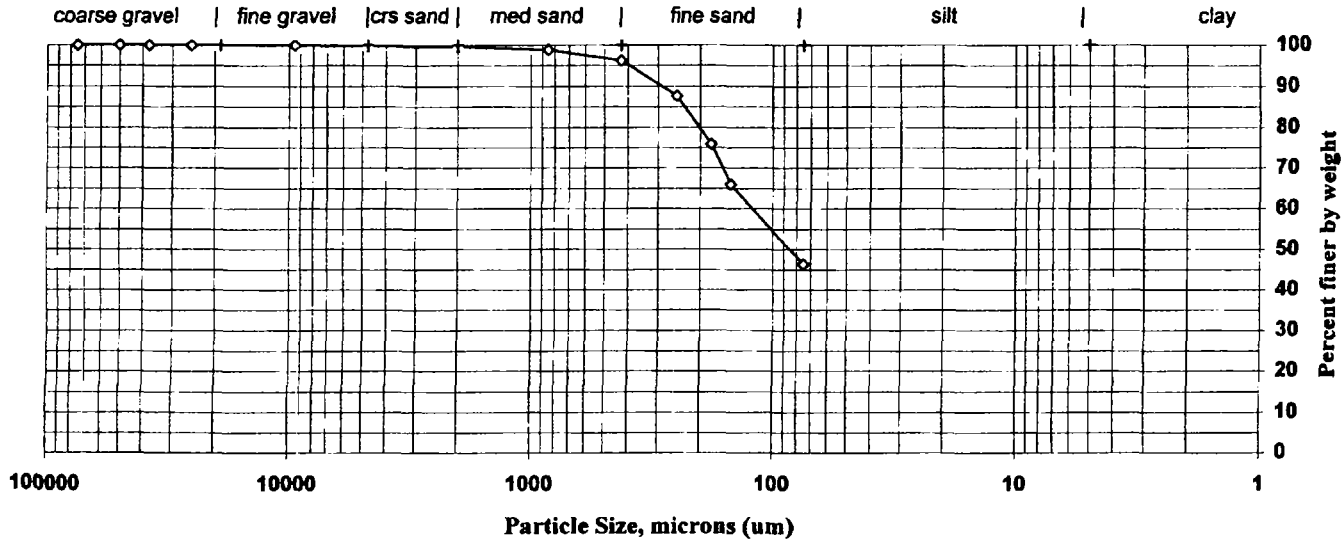
Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625333 **Sample ID:** NSP-SE-SS-3-0605

Percent Solids: 55.0%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 2.8%

Maximum Particle Size: 9.5 mm
Shape (> #10): subangular
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.8	0.2
#10	2000	99.7	0.1
#20	850	98.9	0.8
#40	425	96.2	2.6
#60	250	87.6	8.6
#80	180	75.9	11.7
#100	150	66.0	10.0
#200	75	46.4	19.6
Hydrometer	0.0	0.0	46.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.2
Sand	53.4
Coarse Sand	0.1
Medium Sand	3.4
Fine Sand	49.8
Fines	46.4

Particle Size of Soils by ASTM D422

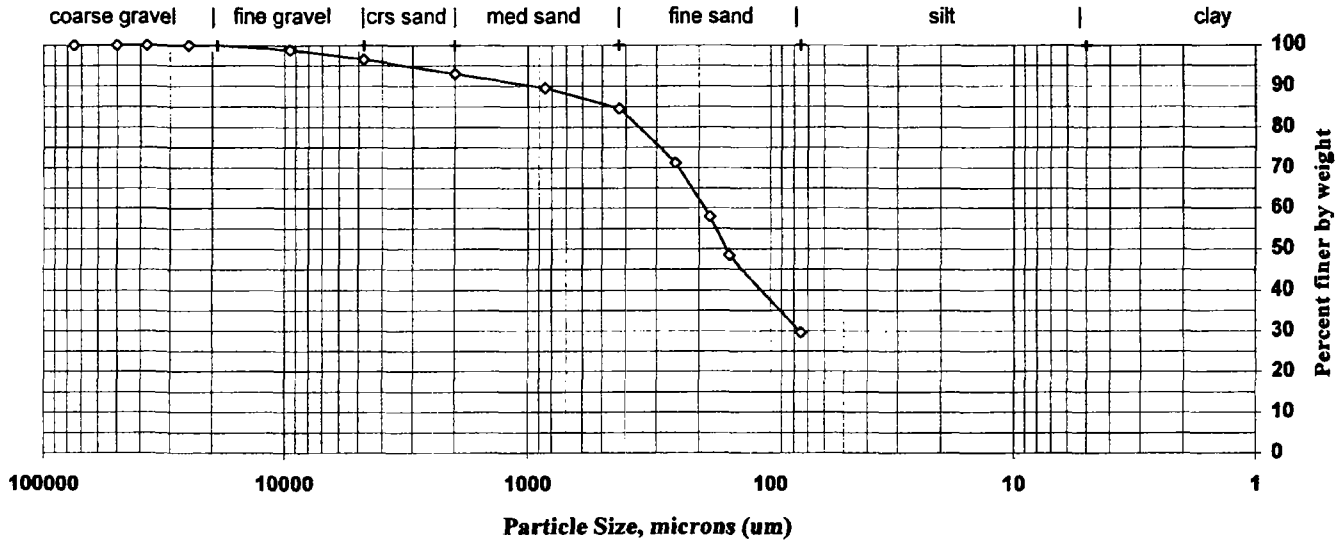
Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625334 **Sample ID:** NSP-SE-SS-4-0605

Percent Solids: 51.9%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 0.6%

Maximum Particle Size: 19 mm
Shape (> #10): subangular
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	98.8	1.2
#4	4750	96.5	2.3
#10	2000	93.0	3.5
#20	850	89.5	3.5
#40	425	84.5	5.0
#60	250	71.3	13.2
#80	180	57.9	13.4
#100	150	48.4	9.5
#200	75	29.6	18.9
Hydrometer	0.0	0.0	29.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	3.5
Sand	67.0
Coarse Sand	3.5
Medium Sand	8.5
Fine Sand	55.0
Fines	29.6

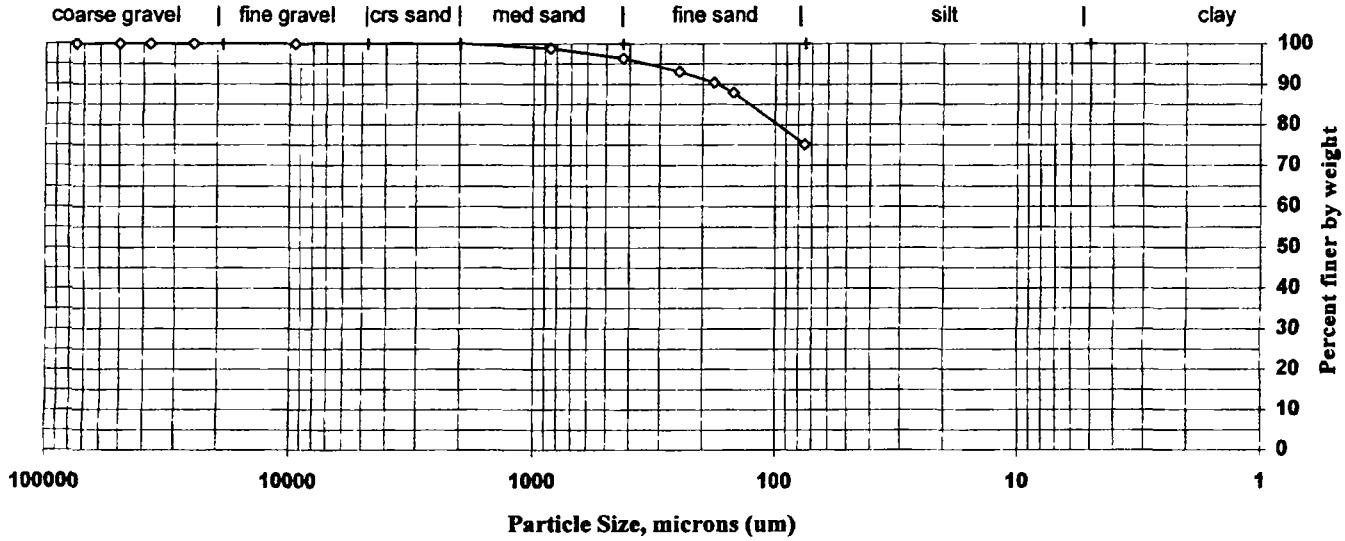
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625335 **Sample ID:** NSP-SE-SS-5-0605

Percent Solids:	32.8%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	10.0%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.8	1.2
#40	425	96.4	2.5
#60	250	93.1	3.3
#80	180	90.4	2.7
#100	150	87.9	2.5
#200	75	75.1	12.8
Hydrometer	0.0	0.0	75.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	24.9
Coarse Sand	0.0
Medium Sand	3.6
Fine Sand	21.2
Fines	75.1

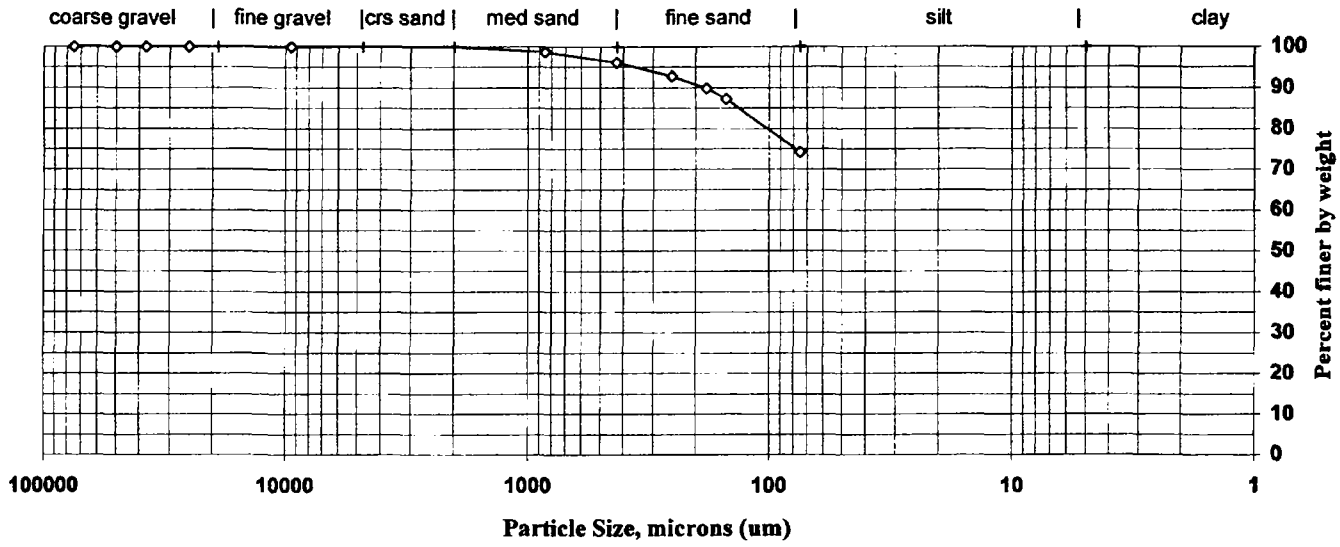
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625336 **Sample ID:** NSP-SE-SQ-DUP01-0605

Percent Solids:	31.6%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	11.3%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.7	1.3
#40	425	96.1	2.6
#60	250	92.7	3.4
#80	180	89.8	2.9
#100	150	87.2	2.6
#200	75	74.1	13.0
Hydrometer	0.0	0.0	74.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	25.9
Coarse Sand	0.0
Medium Sand	3.9
Fine Sand	22.0
Fines	74.1

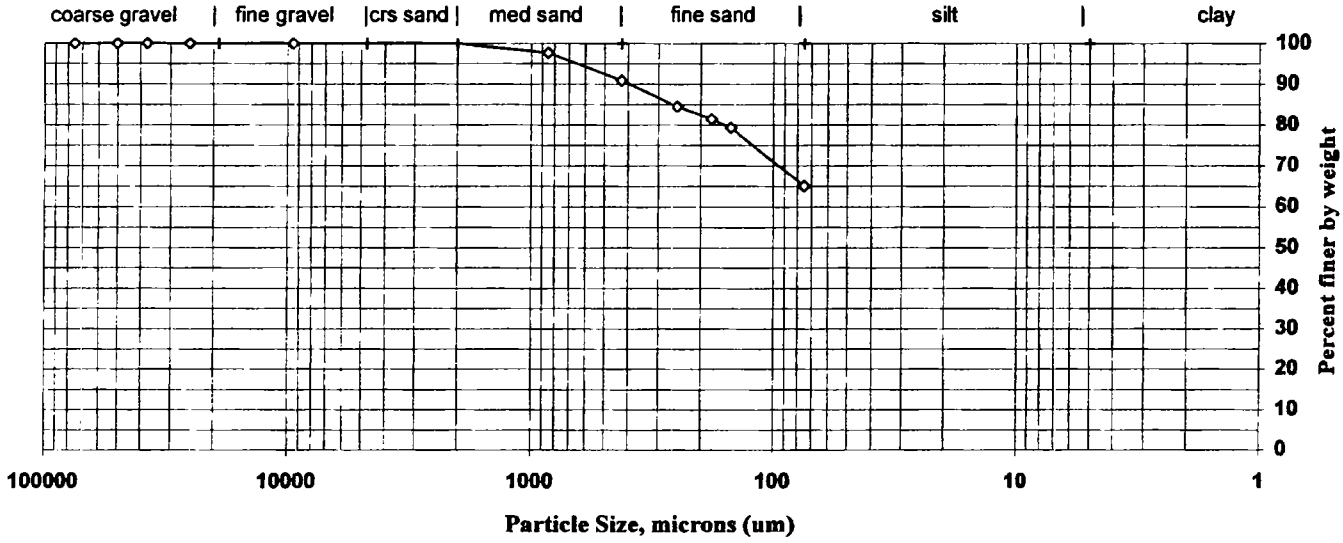
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625337 **Sample ID:** NSP-SE-SS-6-0605

Percent Solids:	34.3%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	24.0%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	97.7	2.3
#40	425	90.9	6.9
#60	250	84.5	6.4
#80	180	81.4	3.1
#100	150	79.3	2.1
#200	75	65.1	14.2
Hydrometer	0.0	0.0	65.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	34.9
Coarse Sand	0.0
Medium Sand	9.1
Fine Sand	25.8
Fines	65.1

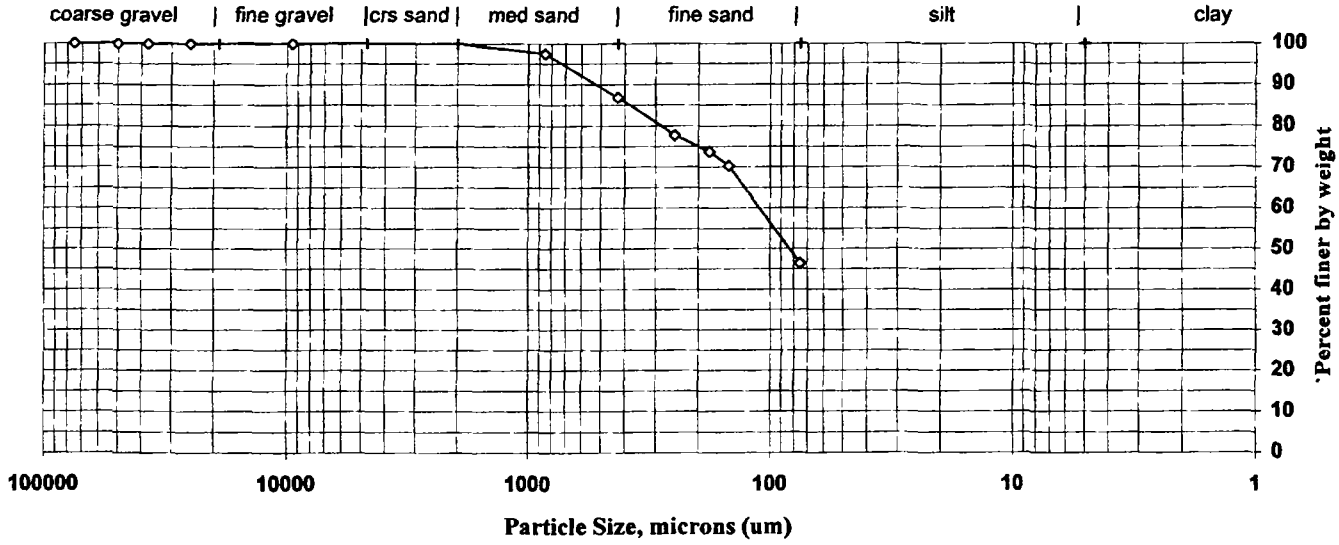
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625338 **Sample ID:** NSP-SE-SS-7-0605

Percent Solids:	35.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	24.6%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	97.5	2.5
#40	425	86.9	10.6
#60	250	77.7	9.2
#80	180	73.7	4.0
#100	150	70.3	3.5
#200	75	46.4	23.9
Hydrometer	0.0	0.0	46.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	53.6
Coarse Sand	0.0
Medium Sand	13.1
Fine Sand	40.5
Fines	46.4

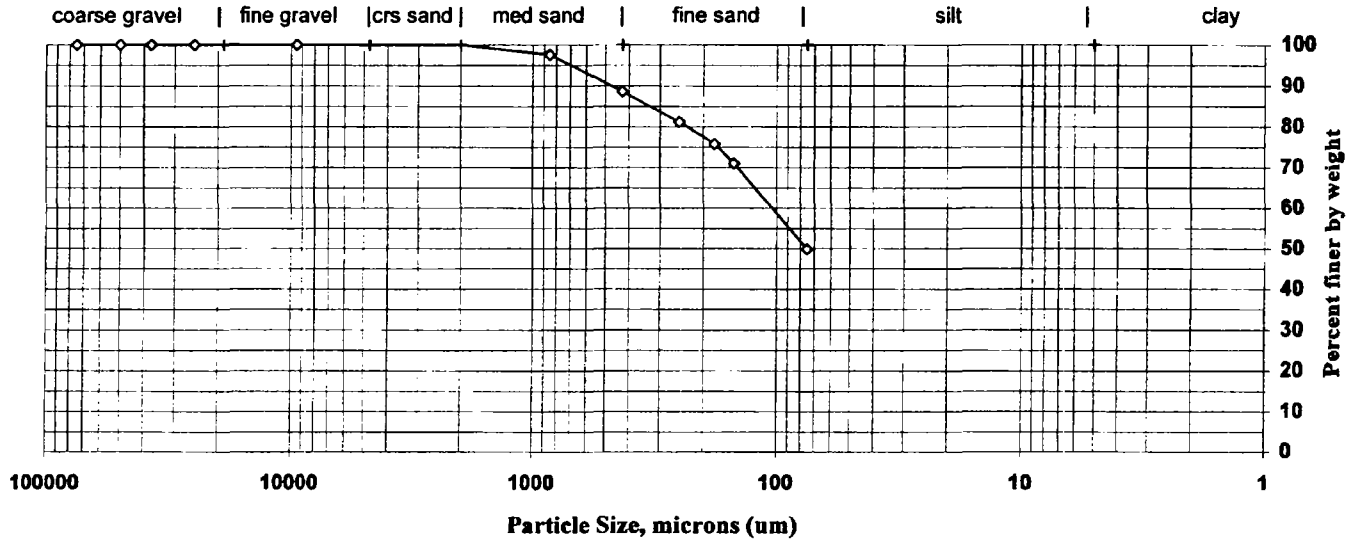
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625339 **Sample ID:** NSP-SE-SS-8-0605

Percent Solids:	39.4%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	16.6%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	97.6	2.4
#40	425	88.7	8.9
#60	250	81.2	7.5
#80	180	75.8	5.4
#100	150	71.0	4.8
#200	75	49.8	21.2
Hydrometer	0.0	0.0	49.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	50.2
Coarse Sand	0.0
Medium Sand	11.3
Fine Sand	38.9
Fines	49.8

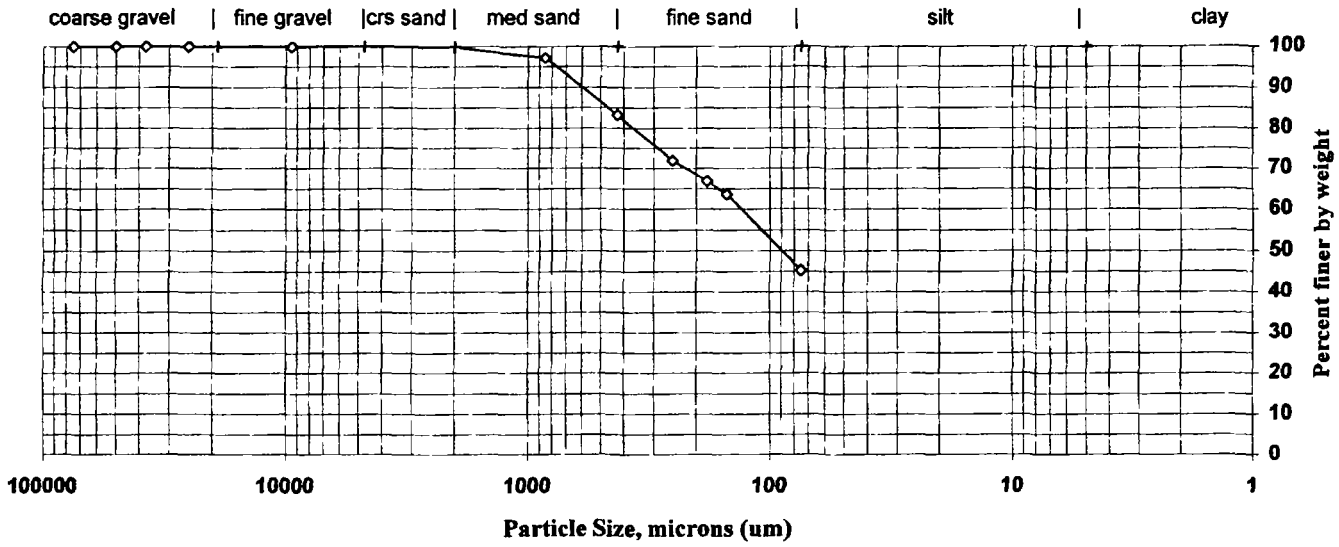
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625340 **Sample ID:** NSP-SE-SS-9-0605

Percent Solids:	32.4%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	34.1%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.8	0.2
#20	850	97.1	2.7
#40	425	83.2	13.9
#60	250	71.9	11.3
#80	180	66.8	5.1
#100	150	63.6	3.1
#200	75	45.2	18.4
Hydrometer	0.0	0.0	45.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	54.8
Coarse Sand	0.2
Medium Sand	16.6
Fine Sand	38.0
Fines	45.2

Particle Size of Soils by ASTM D422

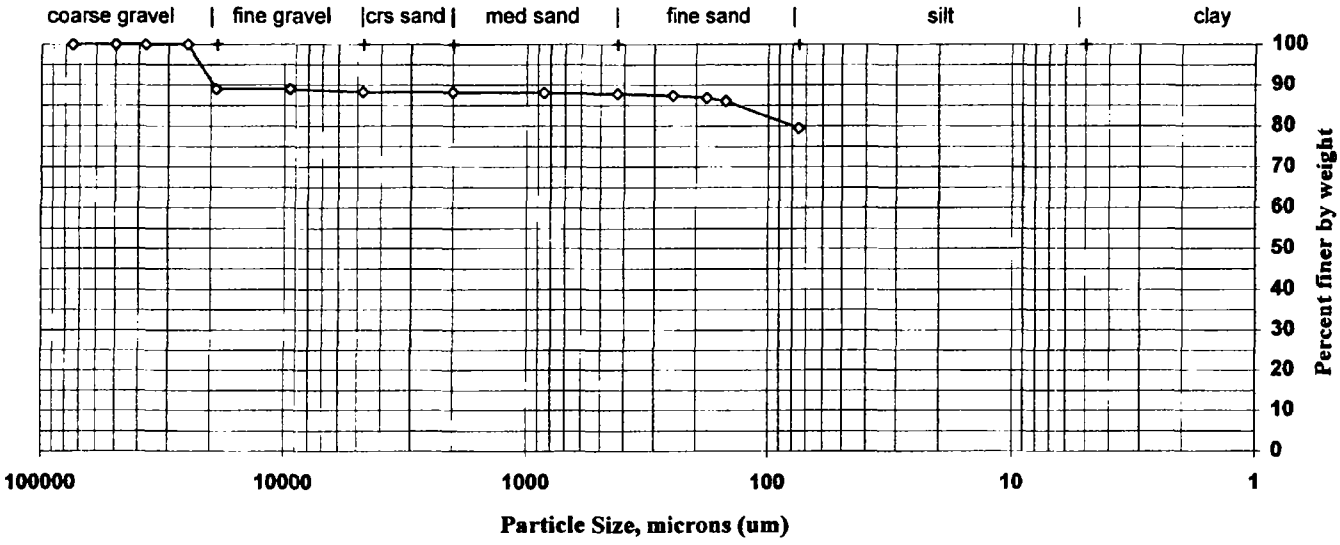
Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625341 **Sample ID:** NSP-SE-SS-10-0605

Percent Solids: 61.0%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 1.3%

Maximum Particle Size: 25 mm
Shape (> #10): subrounded
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	88.9	11.1
3/8 inch	9500	88.9	0.0
#4	4750	88.2	0.7
#10	2000	88.2	0.0
#20	850	88.0	0.2
#40	425	87.8	0.2
#60	250	87.3	0.4
#80	180	86.8	0.5
#100	150	86.1	0.8
#200	75	79.4	6.6
Hydrometer	0.0	0.0	79.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	11.8
Sand	8.8
Coarse Sand	0.0
Medium Sand	0.4
Fine Sand	8.4
Fines	79.4

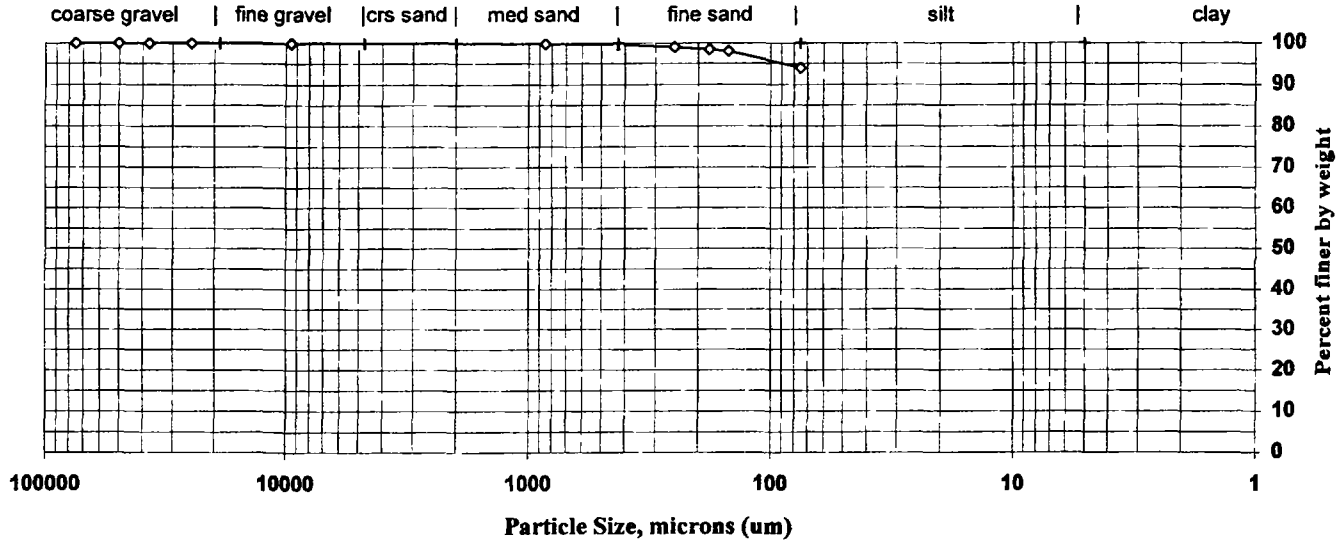
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625342 **Sample ID:** NSP-SE-SS-11-0605

Percent Solids:	56.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	0.3%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.8	0.2
#40	425	99.6	0.2
#60	250	99.0	0.6
#80	180	98.5	0.5
#100	150	98.1	0.4
#200	75	93.9	4.1
Hydrometer	0.0	0.0	93.9
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	6.1
Coarse Sand	0.0
Medium Sand	0.4
Fine Sand	5.7
Fines	93.9

Particle Size of Soils by ASTM D422

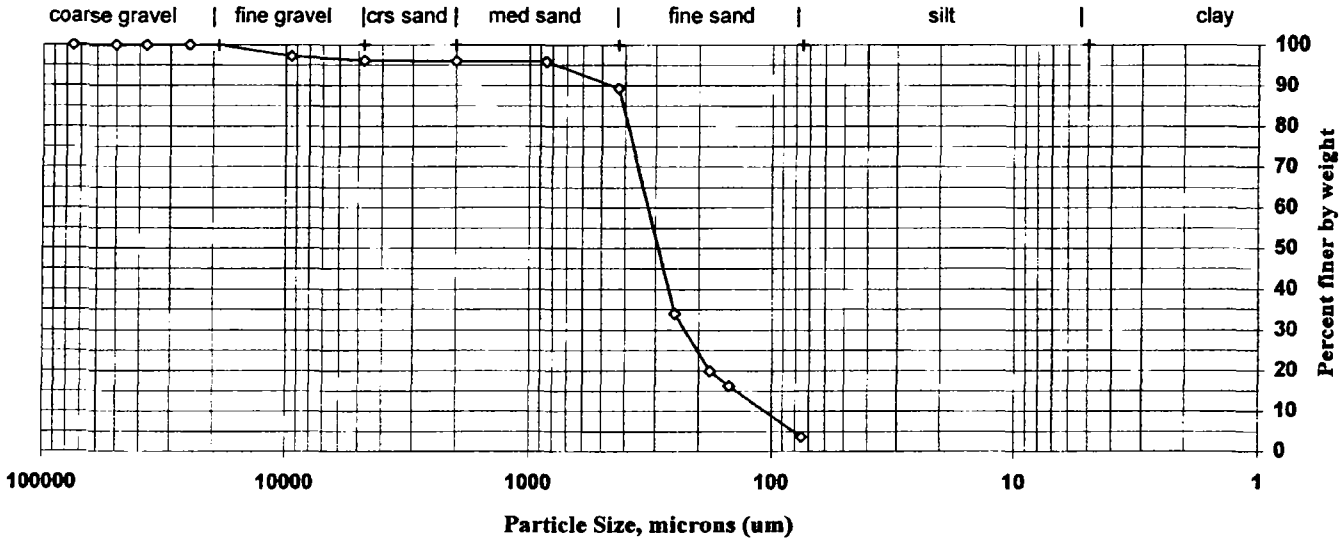
Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625343 **Sample ID:** NSP-SE-SS-12-0605

Percent Solids: 76.4%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 0.1%

Maximum Particle Size: 19 mm
Shape (> #10): subangular
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	97.2	2.8
#4	4750	96.1	1.1
#10	2000	96.0	0.2
#20	850	95.8	0.1
#40	425	89.3	6.6
#60	250	34.0	55.3
#80	180	19.9	14.0
#100	150	16.3	3.6
#200	75	3.6	12.7
Hydrometer	0.0	0.0	3.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	3.9
Sand	92.5
Coarse Sand	0.2
Medium Sand	6.7
Fine Sand	85.7
Fines	3.6

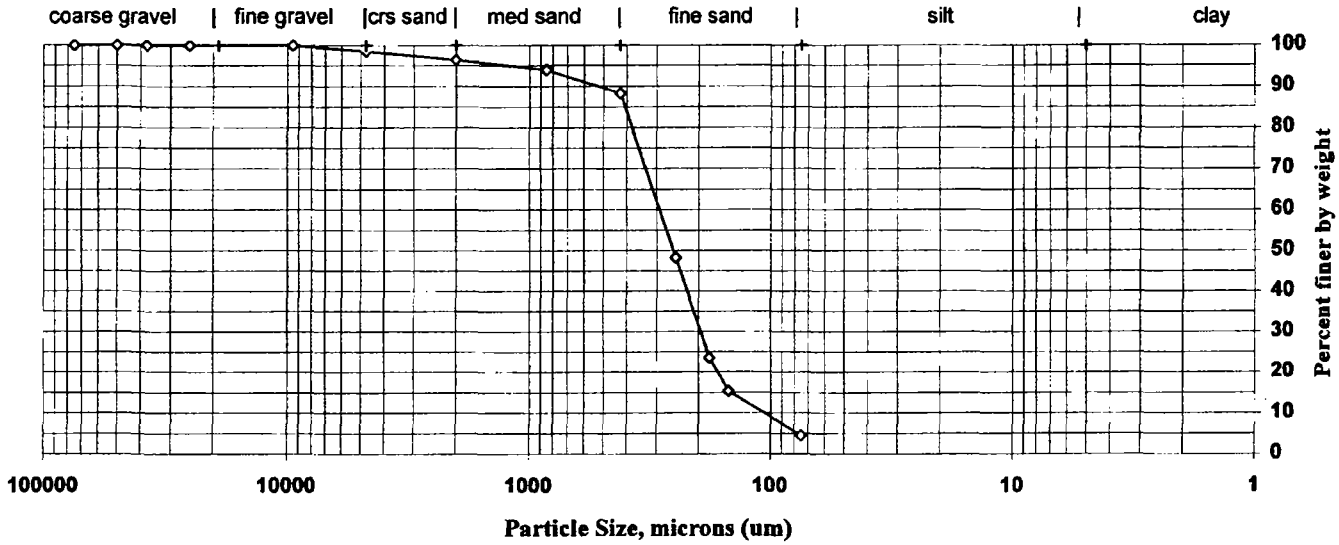
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625344 **Sample ID:** NSP-SE-SS-13-0605

Percent Solids:	75.9%		**Maximum Particle Size:**	9.5 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.1%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	98.5	1.5
#10	2000	96.4	2.2
#20	850	94.0	2.4
#40	425	88.3	5.7
#60	250	48.3	40.0
#80	180	23.6	24.7
#100	150	15.4	8.2
#200	75	4.5	10.9
Hydrometer	0.0	0.0	4.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	1.5
Sand	94.0
Coarse Sand	2.2
Medium Sand	8.1
Fine Sand	83.8
Fines	4.5

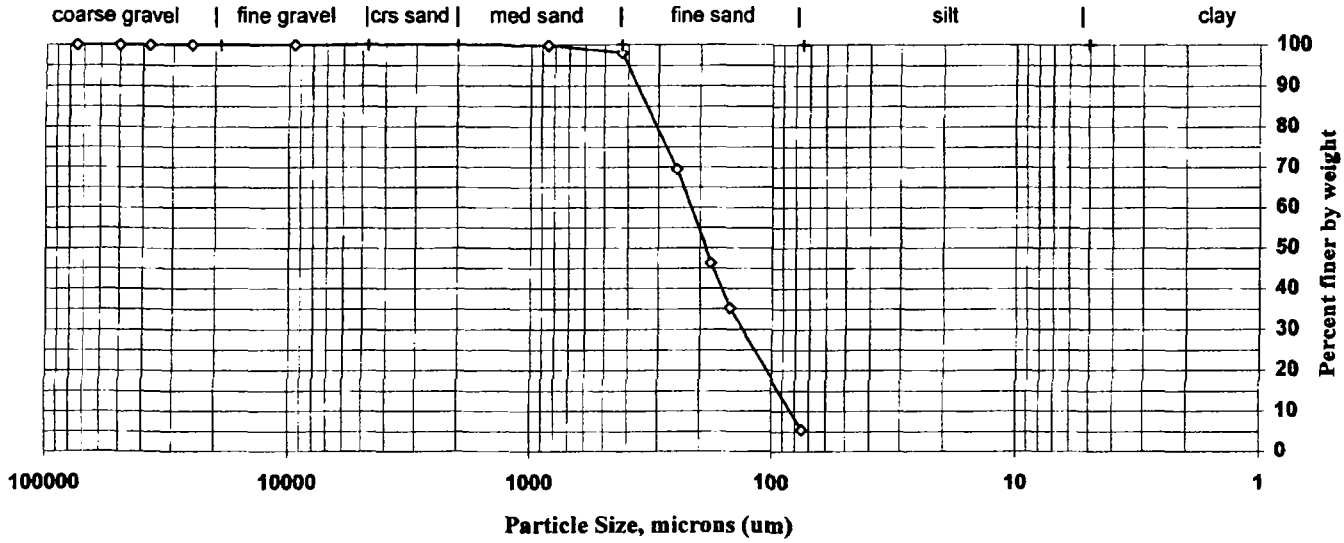
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107884
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107884
Date Received:	17-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	6-Jul-05

Lab ID: 625345 **Sample ID:** NSP-SE-SS-14-0605

Percent Solids:	74.4%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.8	0.2
#40	425	98.1	1.7
#60	250	69.5	28.6
#80	180	46.4	23.2
#100	150	35.2	11.1
#200	75	5.5	29.7
Hydrometer	0.0	0.0	5.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	94.5
Coarse Sand	0.0
Medium Sand	1.9
Fine Sand	92.6
Fines	5.5

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 107937

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

July 21, 2005

Mr. Paul Sklar
URS Corporation
10200 Innovation Dr.
Suite 500
Milwaukee, WI 53226

Re: Laboratory Project No. 25000
Case: 25000; SDG: 107937

Dear Mr. Sklar:

Enclosed are the analytical results for samples received by STL Burlington on June 21, 2005. This report is sequentially numbered starting with page 0001 and ending with page 0378. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 06/21/05 ETR No: 107937		
625715	NSPSE-C5-1-0605-20-28	06/17/05	Sediment
625716	NSPSE-C5-1-0605-52-60	06/17/05	Sediment
625717	NSPSE-C1-1-0605-0-8	06/16/05	Sediment
625718	NSPSE-C1-1-0605-52-60	06/16/05	Sediment
625719	NSPSE-C3-1-0605-18-26	06/17/05	Sediment
625720	NSPSE-C3-1-0605-52-60	06/17/05	Sediment
625721	NSPSEC6-1B-0605-25-33	06/19/05	Sediment
625722	NSPSEC6-1B-0605-52-60	06/19/05	Sediment
625723	NSPSE-SQT9-0605-E	06/18/05	Sediment
625724	NSPSE-SQT9-0605-C	06/18/05	Sediment
625725	NSPSE-SQT2-0605-B	06/19/05	Sediment
625726	NSPSE-SQT2-0605-E	06/19/05	Sediment
625727	NSPSE-SQT2-0605-C	06/19/05	Sediment
625728	NSPSE-SQDUP-0605	06/19/05	Sediment
625729	NSPSE-C2-1-0605-52-60	06/16/05	Sediment
625730	NSPSE-C2-1-0605-10-18	06/16/05	Sediment
625731	NSPSE-C4-1-0605-26-34	06/16/05	Sediment
625732	NSPSE-C4-1-0605-52-60	06/16/05	Sediment
625733	NSPSE-SQT2-0605-A	06/19/05	Sediment
625734	NSPSE-SQT9-0605-B	06/18/05	Sediment
625735	NSPSE-SQT1-0605-B	06/19/05	Sediment
625736	NSPSE-SQT1-0605-D	06/19/05	Sediment
625737	NSPSE-SQT9-0605-A	06/18/05	Sediment
625738	NSPSE-SQT9-0605-D	06/18/05	Sediment
625739	NSPSE-SQT1-0605-A	06/19/05	Sediment

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 06/21/05 ETR No: 107937 (cont.)		
625740	NSPSE-SQT1-0605-C	06/19/05	Sediment
625741	NSPSE-SQT2-0605-D	06/19/05	Sediment
625742	NSPSE-SQT1-0605-E	06/19/05	Sediment

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

During the TOC analysis, samples NSPSE-SQT2-0605-B, NSPSE-SQT2-0605-E, NSPSE-SQT2-0605-C, NSPSE-SQT2-0605-A, and NSPSE-SQT2-0605-D yielded area counts in at least one replicate that exceeded the area count of the highest calibration standard. However, as the TOC analysis is not amenable to dilution, the results from these analyses are formally presented.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to the requirements specified in the NELAC standard. Release of the data contained in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

James Madison
Project Manager

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr Milwaukee WI 53226	Address:
Contact: PAUL SKLAR	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name

No/Type of Containers²

Analysis Requested: TOC; GRAIN SIZE

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y

Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TOC	GRAIN SIZE	Lab/Sample ID (Lab Use Only)
SED	6/17/05	1328		X	NSP-SE-C5-1-0605-20-28					X	X	
	6/17	1358		X	NSP-SE-C5-1-0605-52-60					X	X	
	6/16	1708		X	NSP-SE-C1-1-0605-0-8					X	X	
	6/16	1758		X	NSP-SE-C1-1-0605-52-60					X	X	
	6/17	1426		X	NSP-SE-C3-1-0605-18-26					X	X	
	6/17	1458		X	NSP-SE-C3-1-0605-52-60					X	X	
	6/19	0808		X	NSP-SE-C6-1b-0605-25-33					X	X	
	6/19	0858			NSP-SE-C6-1b-0605-52-60					X	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Remarks
	6/20/05	1130		6/21/05	0910	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix W - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O stic or other

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name: Ashland / NSP Lakefront

No/Type of Containers²

ANALYSIS REQUESTED: TOC; Grain Size; AVS: SEM

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y

Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Lab/Sample ID (Lab Use Only)
SED	6/18	1555		X	NSP-SE-SQT9-0605-E					
	6/18	1515		X	NSP-SE-SQT9-0605-C					
	6/9	1400		X	NSP-SE-SQT2-0605-B					
	6/9	1445		X	NSP-SE-SQT2-0605-E					
	6/9	1415		X	NSP-SE-SQT2-0605-C					
	6/9	0905		X	NSP-SE-SQDUP-0605					
	6/16	1552		X	NSP-SE-C2-1-0605-52-60					
	6/16	1518		X	NSP-SE-C2-1-0605-10-18					
	6/16	1643		X	NSP-SE-C4-1-0605-26-34					
↓	6/16	1658			NSP-SE-C4-1-0605-52-60					

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
				6-21-05	0940
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:
Company: URS Corporation
Address: 10200 Innovation Dr.
Milwaukee WI 53226
Contact: Paul Sklar
Phone: 414-831-4100
Fax: 414-831-4101
Contract/ Quote:

Invoice to:
Company: Same
Address:
Contact:
Phone:
Fax:

Sampler's Name: Dan Miracle
Sampler's Signature:

Proj. No.
Project Name: Ashland/NSP Lakefront

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Matrix[1]	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers[2] VOA	A/G 1 Lt.	250 ml	P/O	ANALYSIS REQUESTED TOC	Grain Size	AVS:SEM	Lab/Sample ID (Lab Use Only)
SED	6/19	1345		X	NSP-SE-SQT2-0605-A					X	X		
	6/18	1500		X	NSP-SE-SQT9-0605-B					X	X		
	6/19	0845		X	NSP-SE-SQT1-0605-B					X	X	X	
	6/19	0915		X	NSP-SE-SQT1-0605-D					X	X		
	6/18	1465		X	NSP-SE-SQT9-0605-A					X	X		
	6/18	1535		X	NSP-SE-SQT9-0605-D					X	X		
	6/19	0830		X	NSP-SE-SQT1-0605-A					X	X		
	6/19	0900		X	NSP-SE-SQT1-0605-C					X	X		
	6/19	1430		X	NSP-SE-SQT2-0605-D					X	X		
V	6/19	0930		X	NSP-SE-SQT1-0605-E					X	X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
				6/21/05	1440
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O stic or other

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

Sample Data Summary Package For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C5-1-0605-20-28

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625715

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 79.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		79.7	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	627	805	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C5-1-0605-52-60

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625716

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 82.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		82.7	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	605	1180	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C1-1-0605-0-8

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625717

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 81.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.4	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	614	2080	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C1-1-0605-52-60

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625718

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 81.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.2	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	616	836	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C3-1-0605-18-26

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625719

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 41.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		41.8	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	1200	126000	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C3-1-0605-52-60

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625720

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 79.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		79.0	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	633	2160	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSEC6-1B-0605-25-33

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625721

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 84.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		84.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	595	1990	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSEC6-1B-0605-52-60

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625722

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 79.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		79.9	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	626	1120	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT9-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625723

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 61.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		61.7	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	810	10500	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT9-0605-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625724

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 45.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	35.4	35.4	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		45.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	1	1110	62000	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT2-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625725

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 40.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	38.4	38.4	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		40.6	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1230	385000	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT2-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625726

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 41.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		41.9	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1190	282000	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT2-0605-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625727

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 36.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		36.0	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1390	466000	

Printed on: 07/20/05 12:40 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625728

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 81.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.8	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	611	6050	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C2-1-0605-52-60

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625729

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 81.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.6	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	613	2830	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C2-1-0605-10-18

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625730

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 80.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		80.4	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	622	1980	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C4-1-0605-26-34

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625731

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 50.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		50.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	998	5750	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-C4-1-0605-52-60

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625732

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 81.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		81.0	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	617	1430	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT2-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625733

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 28.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		28.2	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1770	647000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT9-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625734

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 55.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		55.9	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	894	8040	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT1-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625735

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 73.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	21.5	21.5	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		73.7	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	678	4950	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT1-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625736

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 73.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		73.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	684	9200	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT9-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625737

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 40.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		40.1	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1250	13300	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT9-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625738

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 66.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		66.8	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	749	10200	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT1-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625739

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 75.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		75.2	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	665	2520	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT1-0605-C

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 107937

Lab Code: STLVT **Case No.:** 25000 **Lab Sample ID:** 625740

Matrix: SEDIMENT **Client:** URSCO9 **Date Received:** 06/21/05

% Solids: 73.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		73.0	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	685	3710	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT2-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625741

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 41.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		41.8	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	1200	357000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT1-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107937

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625742

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 06/21/05

% Solids: 75.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		75.2	
IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	1	665	10600	

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WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 107937

Lab Code: STLVT **Case No.:** 25000

Matrix: SOIL **Client:** URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK0628C	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	06/28/05	BLKLK0628C
BLKLK0628D	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	06/28/05	BLKLK0628D
BLKSU0629A	AVS	Acid Volatile Sulfide	8.0	mg/Kg	U	1	8.0	06/29/05	BLKSU0629A

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WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 107937

Lab Code: STLVT **Case No.:** 25000

Matrix: SOIL **Client:** URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Recovery*
LCSLK0628C	IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628C	mg/Kg	7830	8400	93
LCSLK0628D	IN847	TOC by Lloyd Kahn	06/28/05	BLKLK0628D	mg/Kg	9110	8400	108
LCSSU0629A	AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/L	352	384	92

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

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SEVERN TRENT STL

Sample Data Summary Package For Metals

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT9-0605-C

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107937

Matrix: Sediment Client: URSCO9 Lab Sample ID: 625724

% Solids: 45.1 Date Received: 06/21/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0020	07/16/2005	01:04	PBSEM0629A
SW6010B	Copper	0.049	umole/g	B		0.024	07/16/2005	01:04	PBSEM0629A
SW6010B	Lead	0.015	umole/g			0.0058	07/16/2005	01:04	PBSEM0629A
SW6010B	Nickel	0.065	umole/g	B		0.020	07/16/2005	01:04	PBSEM0629A
SW6010B	Zinc	0.073	umole/g	B		0.037	07/16/2005	01:04	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.0014	07/07/2005	09:50	PBSEMHG0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.1	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT2-0605-B

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107937

Matrix: Sediment Client: URSCO9 Lab Sample ID: 625725

% Solids: 40.6 Date Received: 06/21/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0032	umole/g	B		0.0021	07/16/2005	01:12	PBSEM0629A
SW6010B	Copper	0.29	umole/g			0.025	07/16/2005	01:12	PBSEM0629A
SW6010B	Lead	0.046	umole/g			0.0063	07/16/2005	01:12	PBSEM0629A
SW6010B	Nickel	ND	umole/g	U		0.022	07/16/2005	01:12	PBSEM0629A
SW6010B	Zinc	0.36	umole/g			0.040	07/16/2005	01:12	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.0015	07/07/2005	09:52	PBSEMHG0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.2	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT1-0605-B

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107937

Matrix: Sediment Client: URSCO9 Lab Sample ID: 625735

% Solids: 73.7 Date Received: 06/21/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	01:16	PBSEM0629A
SW6010B	Copper	4.7	umole/g			0.014	07/16/2005	01:16	PBSEM0629A
SW6010B	Lead	0.023	umole/g			0.0036	07/16/2005	01:16	PBSEM0629A
SW6010B	Nickel	1.8	umole/g			0.013	07/16/2005	01:16	PBSEM0629A
SW6010B	Zinc	0.093	umole/g	B		0.021	07/16/2005	01:16	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.00085	07/07/2005	09:54	PBSEMHG0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.67	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

PBLK1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107937

Matrix: SEDIMENT Client: URSCO9 Lab Sample ID: PBLK1

% Solids: Date Received:

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.00089	07/16/2005	00:04	PBSEM0629A
SW6010B	Copper	ND	umole/g	U		0.011	07/16/2005	00:04	PBSEM0629A
SW6010B	Lead	ND	umole/g	U		0.0027	07/16/2005	00:04	PBSEM0629A
SW6010B	Nickel	0.015	umole/g	B		0.0094	07/16/2005	00:04	PBSEM0629A
SW6010B	Zinc	ND	umole/g	U		0.016	07/16/2005	00:04	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.00060	07/07/2005	09:46	PBSEMHG0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.25	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

SEVERN TRENT STL

Geotechnical Analysis
Sample Data Summary Package

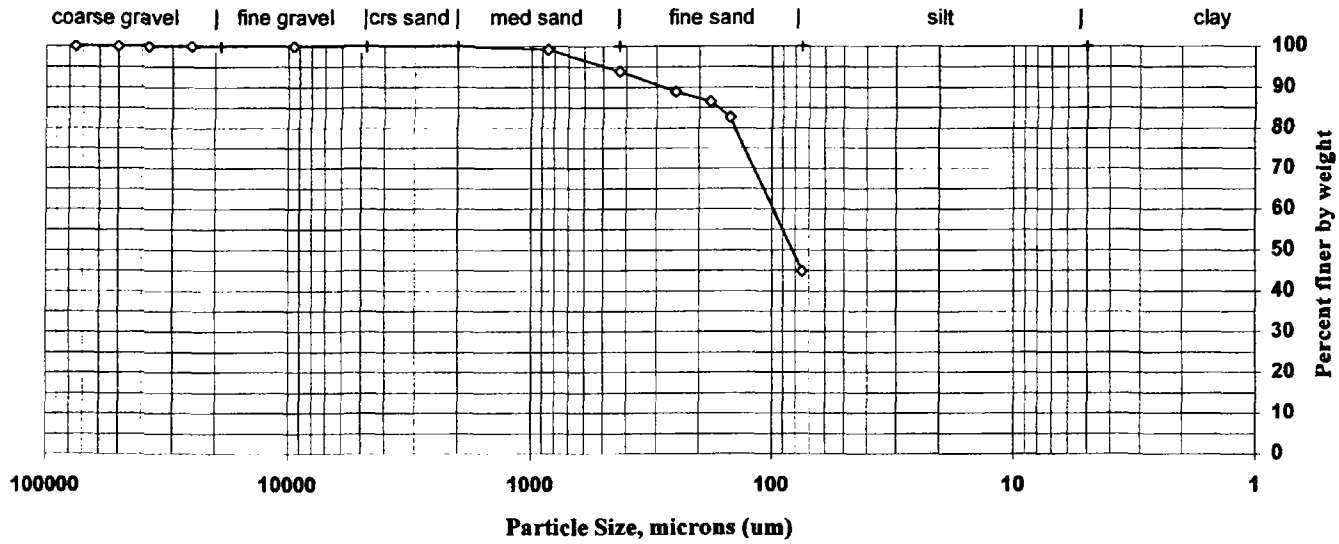
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625715 **Sample ID:** NSPSEC5-1-0605-20-28

Percent Solids:	79.4%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	0.6%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.2	0.8
#40	425	93.9	5.3
#60	250	88.8	5.0
#80	180	86.4	2.4
#100	150	82.7	3.8
#200	75	44.8	37.8
Hydrometer	0.0	0.0	44.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	55.2
Coarse Sand	0.0
Medium Sand	6.1
Fine Sand	49.0
Fines	44.8

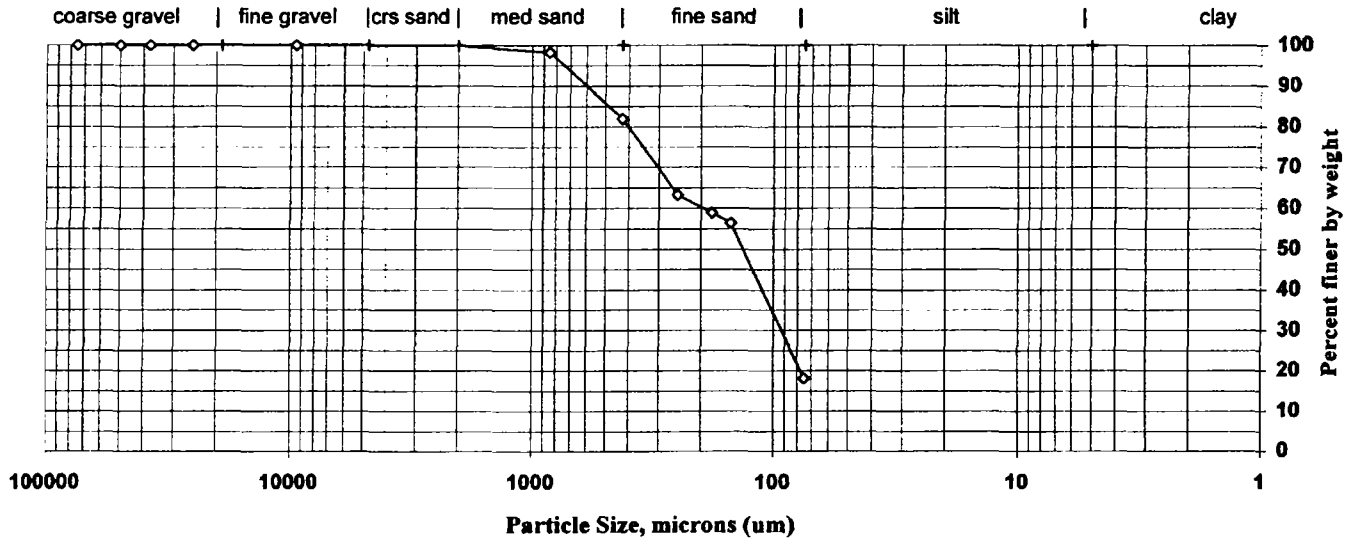
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625716 **Sample ID:** NSPSEC5-1-0605-52-60

Percent Solids:	83.6%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	0.9%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.9	0.1
#20	850	98.3	1.6
#40	425	82.0	16.3
#60	250	63.2	18.7
#80	180	58.9	4.3
#100	150	56.4	2.5
#200	75	18.1	38.2
Hydrometer	0.0	0.0	18.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	81.9
Coarse Sand	0.1
Medium Sand	17.9
Fine Sand	63.8
Fines	18.1

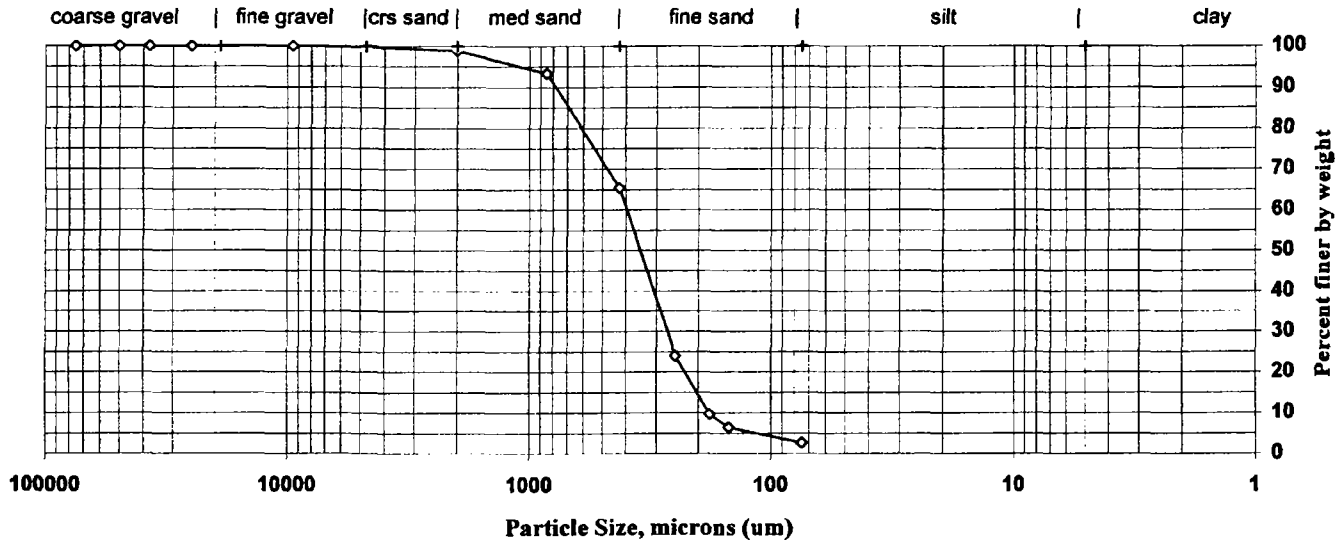
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625717 **Sample ID:** NSPSEC1-1-0605-0-8

Percent Solids:	81.6%		**Maximum Particle Size:**	9.5 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	1.1%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.8	0.2
#10	2000	98.9	1.0
#20	850	93.4	5.5
#40	425	65.4	27.9
#60	250	24.0	41.4
#80	180	9.6	14.4
#100	150	6.4	3.2
#200	75	2.7	3.8
Hydrometer	0.0	0.0	2.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.2
Sand	97.2
Coarse Sand	1.0
Medium Sand	33.4
Fine Sand	62.8
Fines	2.7

Particle Size of Soils by ASTM D422

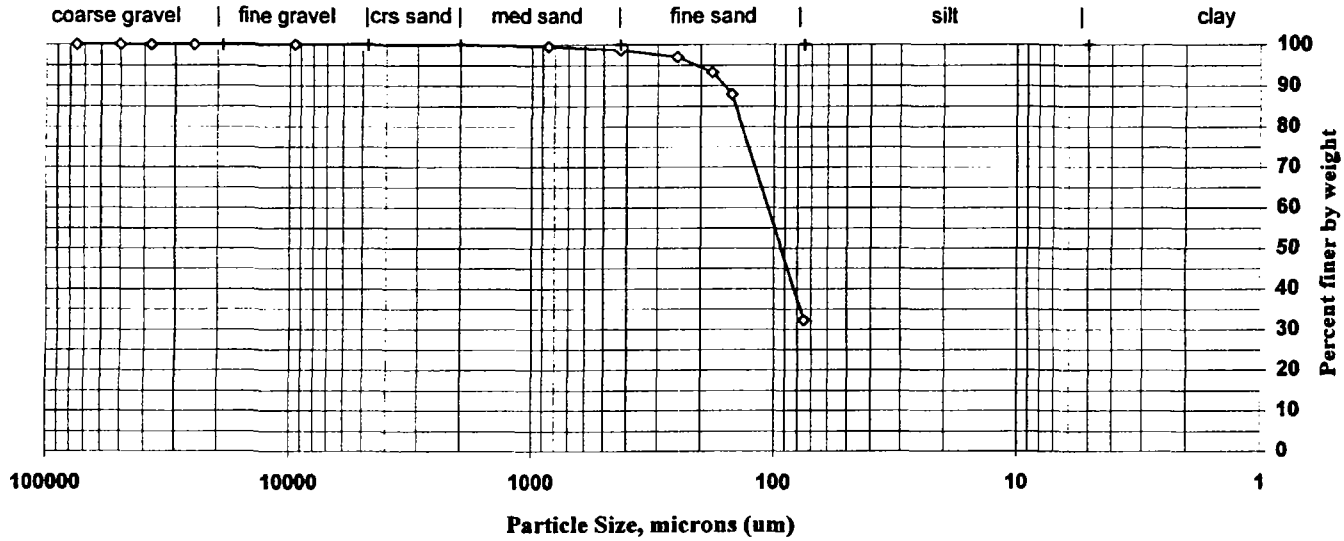
Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	***Job No.:***	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625718 **Sample ID:** NSPSEC1-0605-52-60

Percent Solids: 81.1%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 0.1%

Maximum Particle Size: Crs sand
Shape (> #10): subrounded
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.9	0.1
#20	850	99.5	0.4
#40	425	98.7	0.8
#60	250	97.1	1.6
#80	180	93.3	3.8
#100	150	87.9	5.4
#200	75	32.3	55.7
Hydrometer	0.0	0.0	32.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	67.7
Coarse Sand	0.1
Medium Sand	1.3
Fine Sand	66.4
Fines	32.3

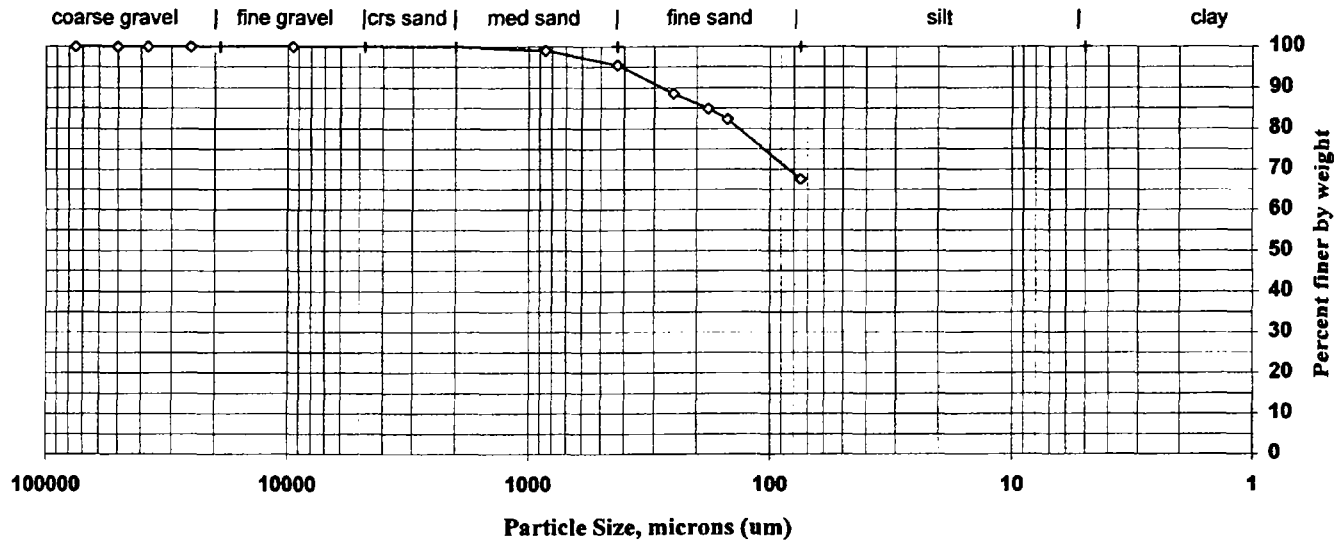
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625719 **Sample ID:** NSPSEC3-1-0605-18-26

Percent Solids:	59.5%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	10.9%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.1	0.9
#40	425	95.5	3.6
#60	250	88.6	7.0
#80	180	84.9	3.7
#100	150	82.3	2.6
#200	75	67.5	14.8
Hydrometer	0.0	0.0	67.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	32.5
Coarse Sand	0.0
Medium Sand	4.5
Fine Sand	28.0
Fines	67.5

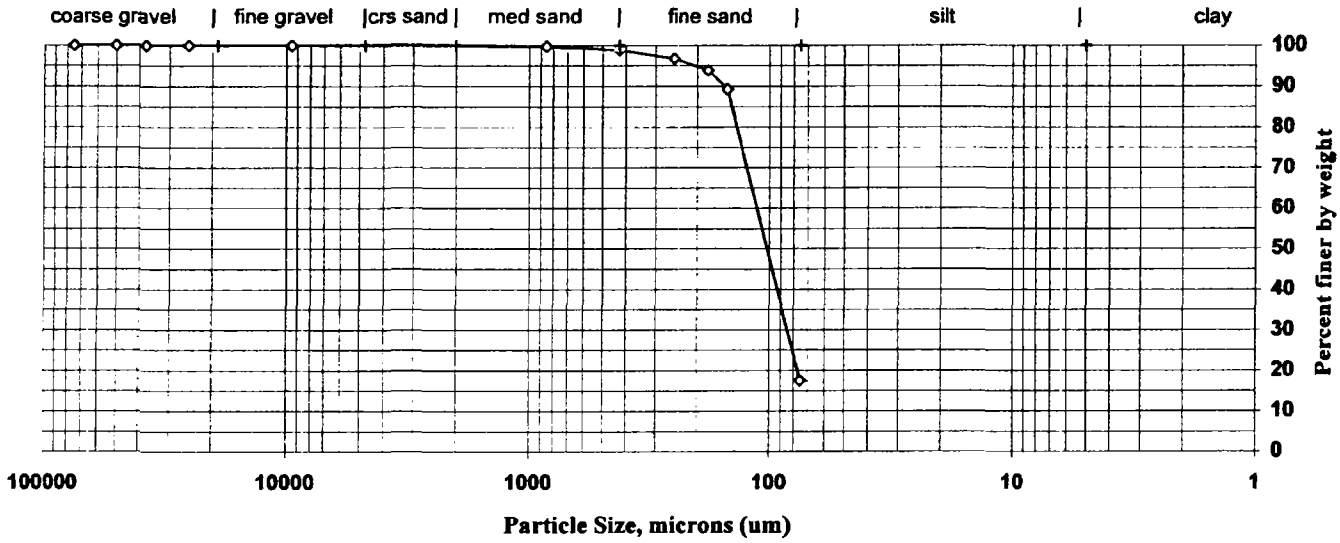
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625720 **Sample ID:** NSPSEC3-1-0605-52-60

Percent Solids:	78.9%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	0.0%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.7	0.3
#40	425	98.9	0.8
#60	250	96.9	2.1
#80	180	93.8	3.0
#100	150	89.3	4.6
#200	75	17.5	71.8
Hydrometer	0.0	0.0	17.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	82.5
Coarse Sand	0.0
Medium Sand	1.1
Fine Sand	81.4
Fines	17.5

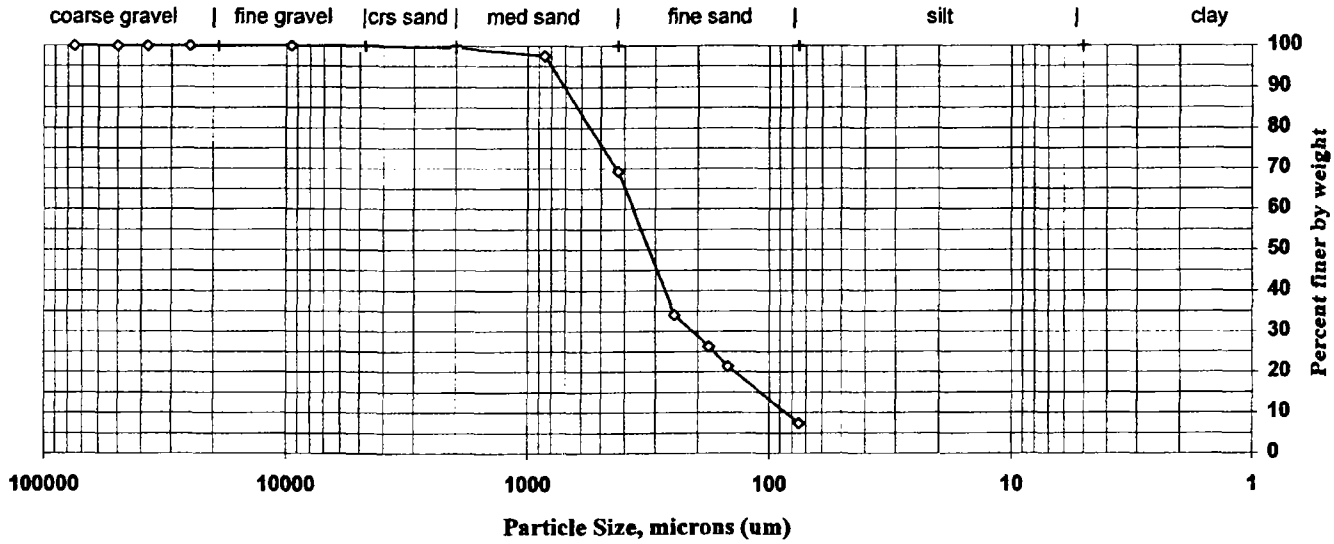
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625721 **Sample ID:** NSPSEC6-1B-0605-25-33

Percent Solids:	82.1%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	0.6%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.6	0.4
#20	850	97.5	2.1
#40	425	69.3	28.3
#60	250	34.0	35.2
#80	180	26.2	7.8
#100	150	21.4	4.8
#200	75	7.4	14.0
Hydrometer	0.0	0.0	7.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	92.6
Coarse Sand	0.4
Medium Sand	30.4
Fine Sand	61.9
Fines	7.4

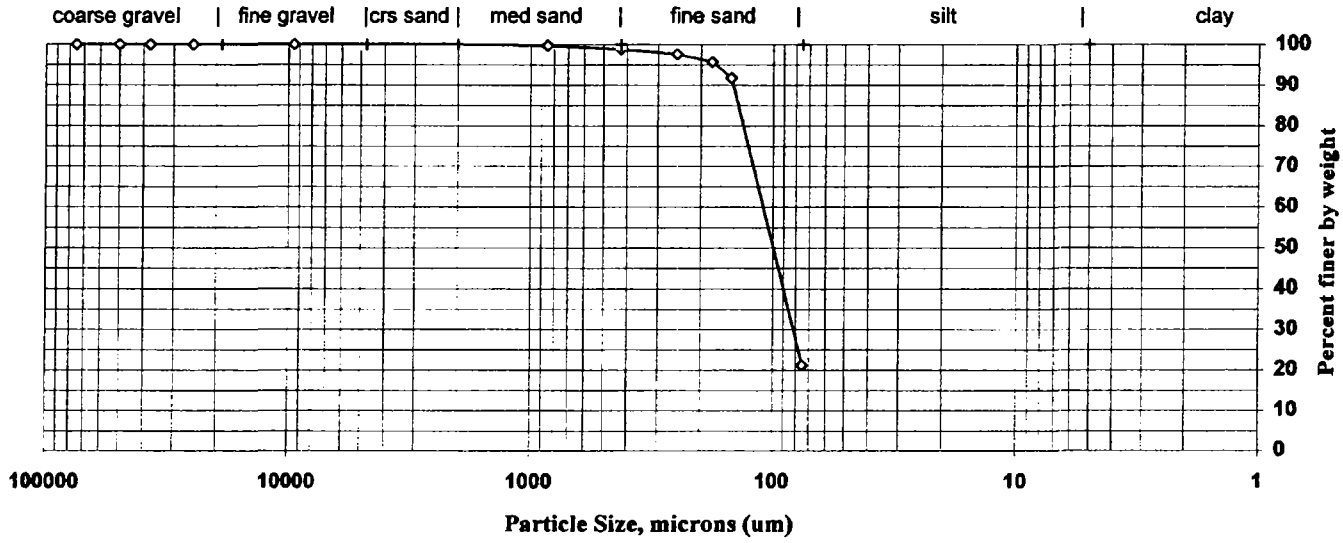
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625722 **Sample ID:** NSPSEC6-1B-0605-52-60

Percent Solids:	79.4%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	0.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.8	0.2
#40	425	98.9	0.9
#60	250	97.6	1.2
#80	180	95.8	1.8
#100	150	91.8	4.0
#200	75	21.2	70.6
Hydrometer	0.0	0.0	21.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	78.8
Coarse Sand	0.0
Medium Sand	1.1
Fine Sand	77.6
Fines	21.2

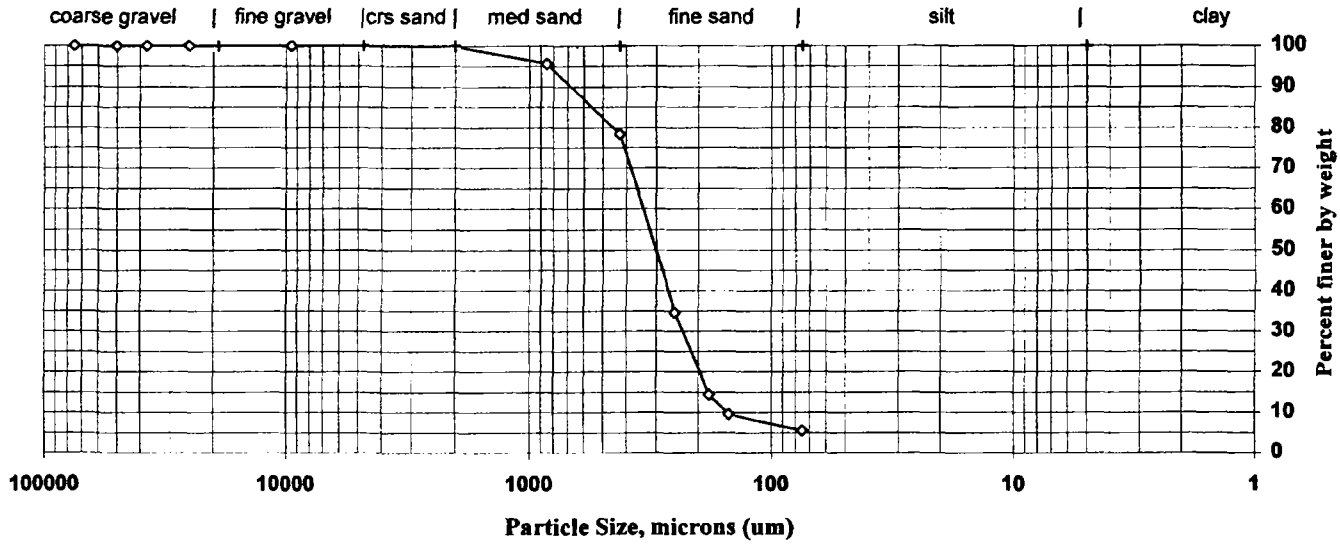
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625723 **Sample ID:** NSPSESQT9-0605-E

Percent Solids:	60.5%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	6.8%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.9	0.1
#20	850	95.6	4.4
#40	425	78.4	17.2
#60	250	34.6	43.8
#80	180	14.4	20.3
#100	150	9.5	4.8
#200	75	5.5	4.0
Hydrometer	0.0	0.0	5.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	94.5
Coarse Sand	0.1
Medium Sand	21.5
Fine Sand	72.9
Fines	5.5

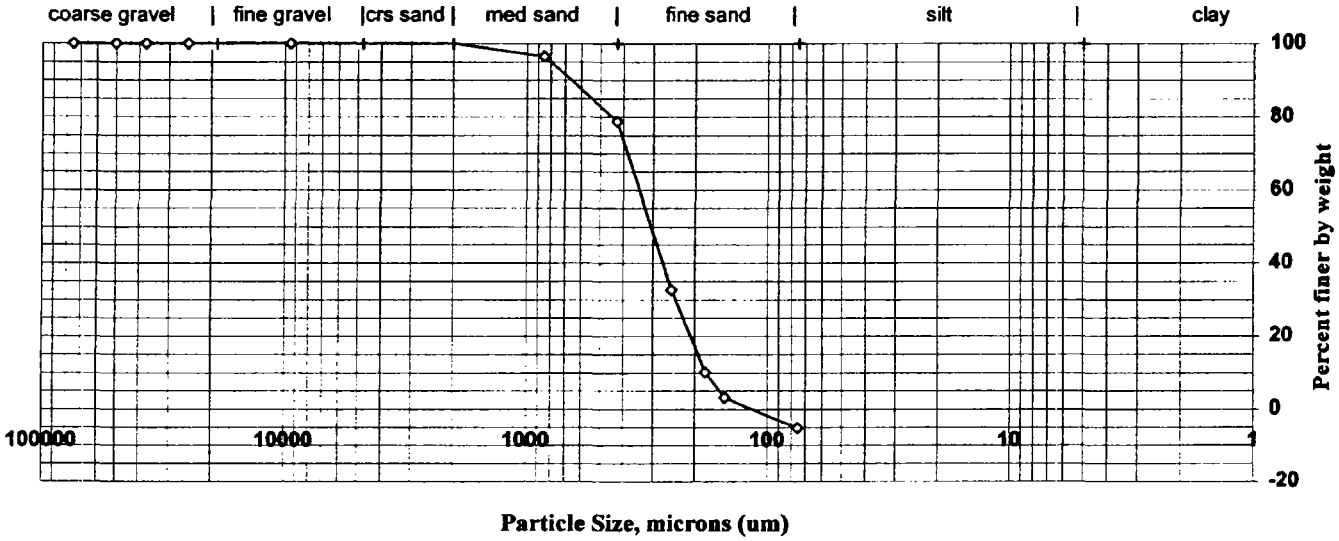
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625724 **Sample ID:** NSPSESQT9-0605-C

Percent Solids:	38.5%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	23.9%		**Hardness (> #10):**	N/A



Particle Size, microns (um)

Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	96.6	3.4
#40	425	78.7	17.8
#60	250	32.7	46.0
#80	180	10.2	22.5
#100	150	3.2	7.0
#200	75	-5.2	8.4
Hydrometer	0.0	0.0	-5.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	105.2
Coarse Sand	0.0
Medium Sand	21.3
Fine Sand	83.9
Fines	-5.2

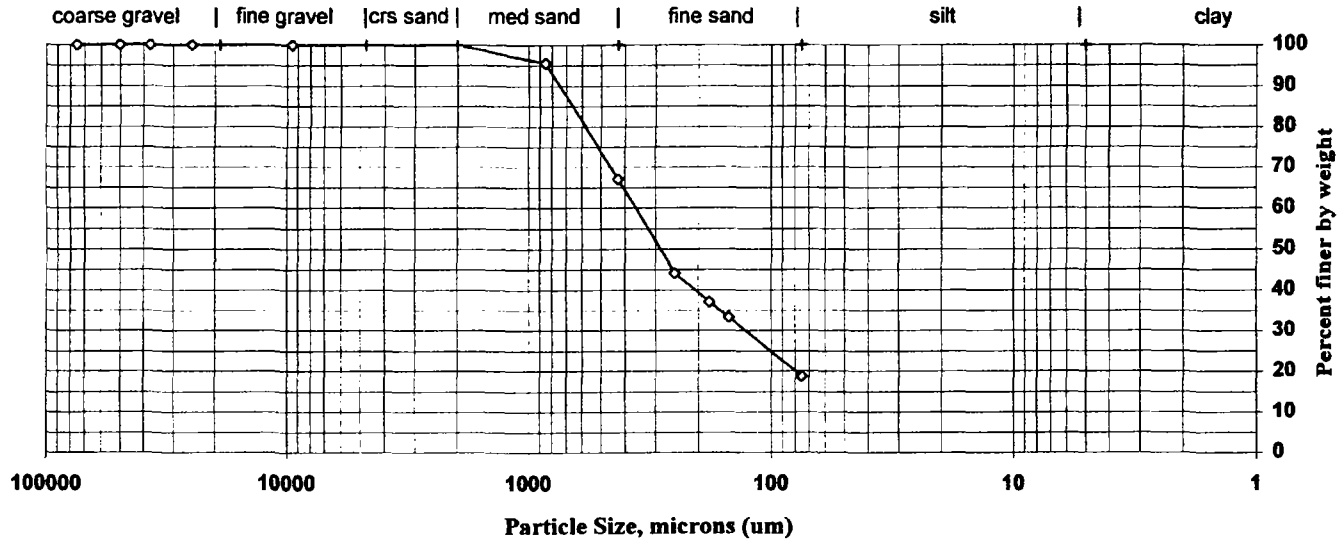
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625725 **Sample ID:** NSPSESQT2-0605-B

Percent Solids:	37.8%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	51.6%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	95.5	4.5
#40	425	67.1	28.4
#60	250	44.1	23.0
#80	180	37.1	7.0
#100	150	33.4	3.8
#200	75	18.7	14.6
Hydrometer	0.0	0.0	18.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	81.3
Coarse Sand	0.0
Medium Sand	32.9
Fine Sand	48.4
Fines	18.7

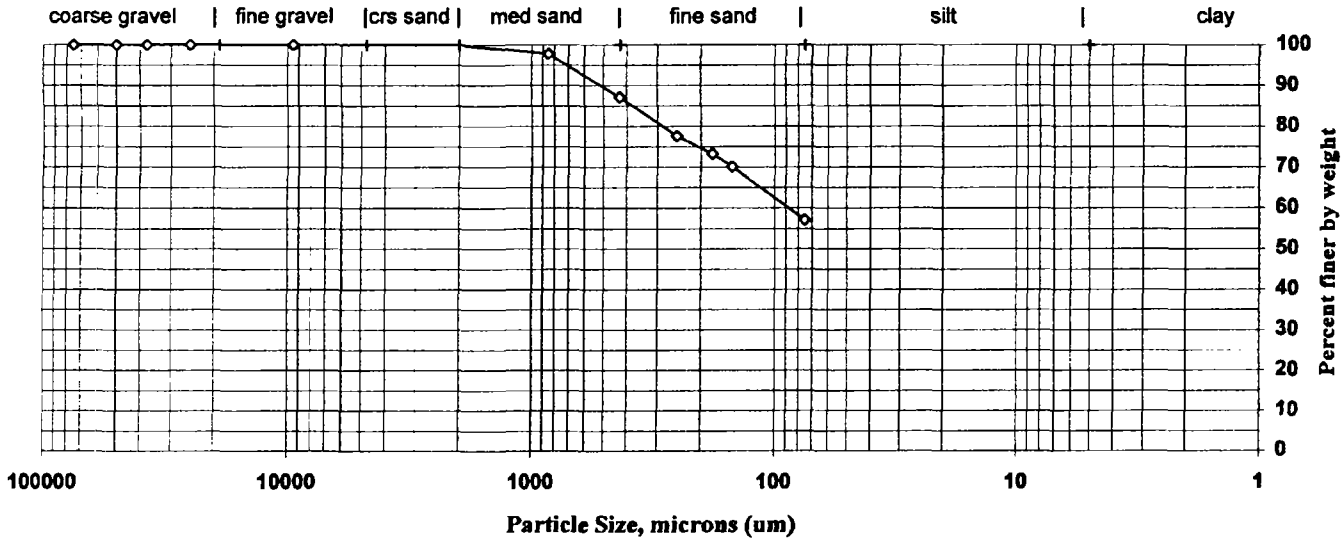
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625726 **Sample ID:** NSPSESQT2-0605-E

Percent Solids:	45.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	60.2%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	97.8	2.2
#40	425	87.1	10.7
#60	250	77.5	9.6
#80	180	73.2	4.3
#100	150	70.1	3.1
#200	75	57.1	13.0
Hydrometer	0.0	0.0	57.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	42.9
Coarse Sand	0.0
Medium Sand	12.9
Fine Sand	30.0
Fines	57.1

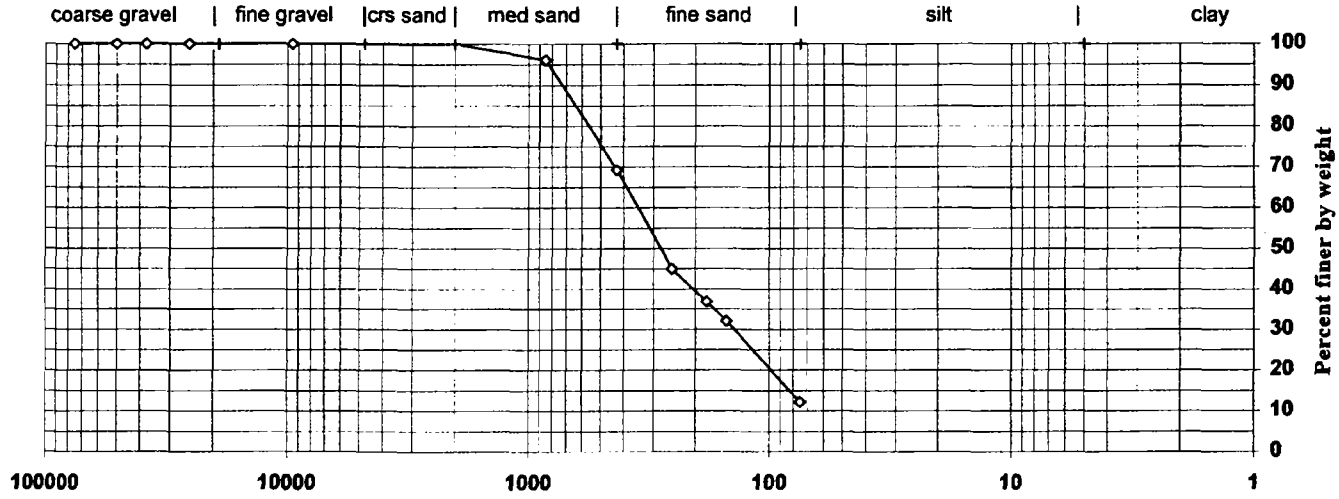
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625727 **Sample ID:** NSPSESQT2-0605-C

Percent Solids:	36.8%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	90.9%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	96.1	3.9
#40	425	69.2	26.8
#60	250	44.9	24.3
#80	180	36.9	8.1
#100	150	32.1	4.8
#200	75	12.2	19.9
Hydrometer	0.0	0.0	12.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	87.8
Coarse Sand	0.0
Medium Sand	30.8
Fine Sand	57.1
Fines	12.2

Particle Size of Soils by ASTM D422

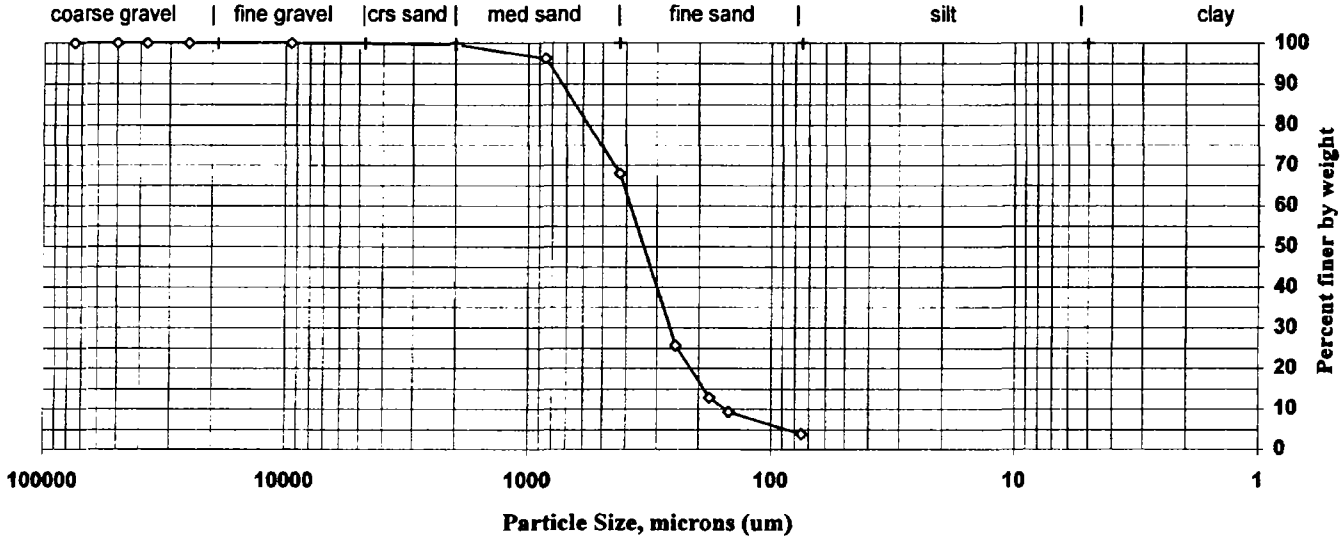
Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625728 **Sample ID:** NSPSESQDUP-0605

Percent Solids: 74.9%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 1.2%

Maximum Particle Size: 9.5 mm
Shape (> #10): subangular
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.9	0.1
#10	2000	99.6	0.3
#20	850	96.3	3.3
#40	425	68.0	28.3
#60	250	25.7	42.3
#80	180	12.9	12.9
#100	150	9.3	3.5
#200	75	3.9	5.5
Hydrometer	0.0	0.0	3.9
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.1
Sand	96.0
Coarse Sand	0.3
Medium Sand	31.6
Fine Sand	64.1
Fines	3.9

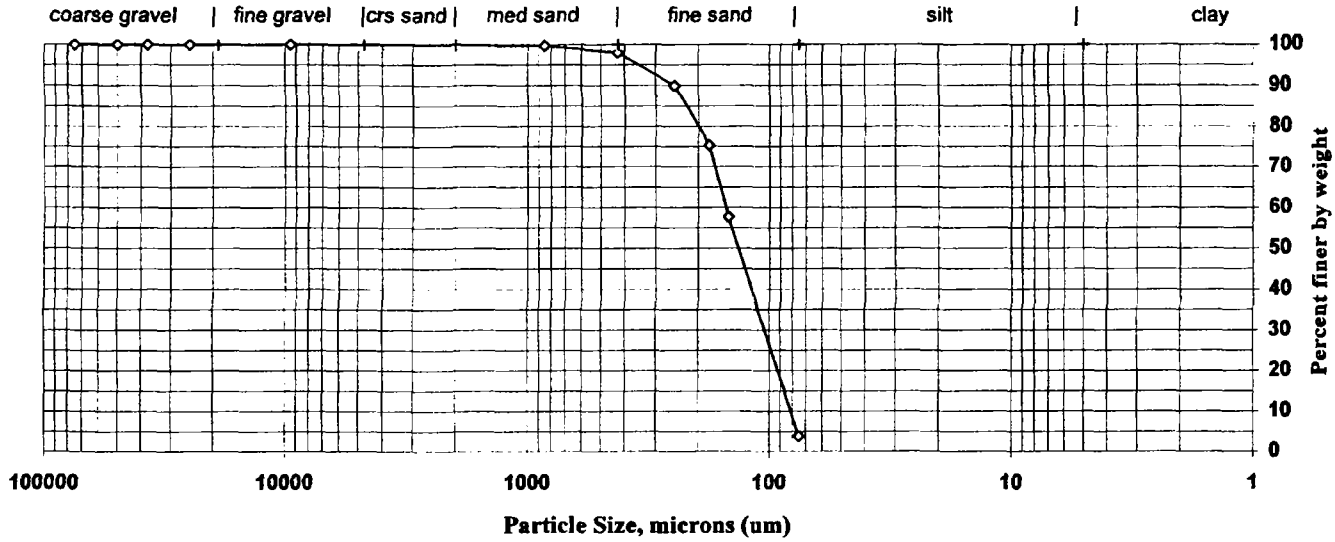
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625729 **Sample ID:** NSPSEC2-1-0605-52-60

Percent Solids:	81.2%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	0.0%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.7	0.2
#40	425	98.0	1.8
#60	250	89.8	8.1
#80	180	75.3	14.5
#100	150	57.7	17.6
#200	75	3.7	54.0
Hydrometer	0.0	0.0	3.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	96.3
Coarse Sand	0.0
Medium Sand	2.0
Fine Sand	94.2
Fines	3.7

Particle Size of Soils by ASTM D422

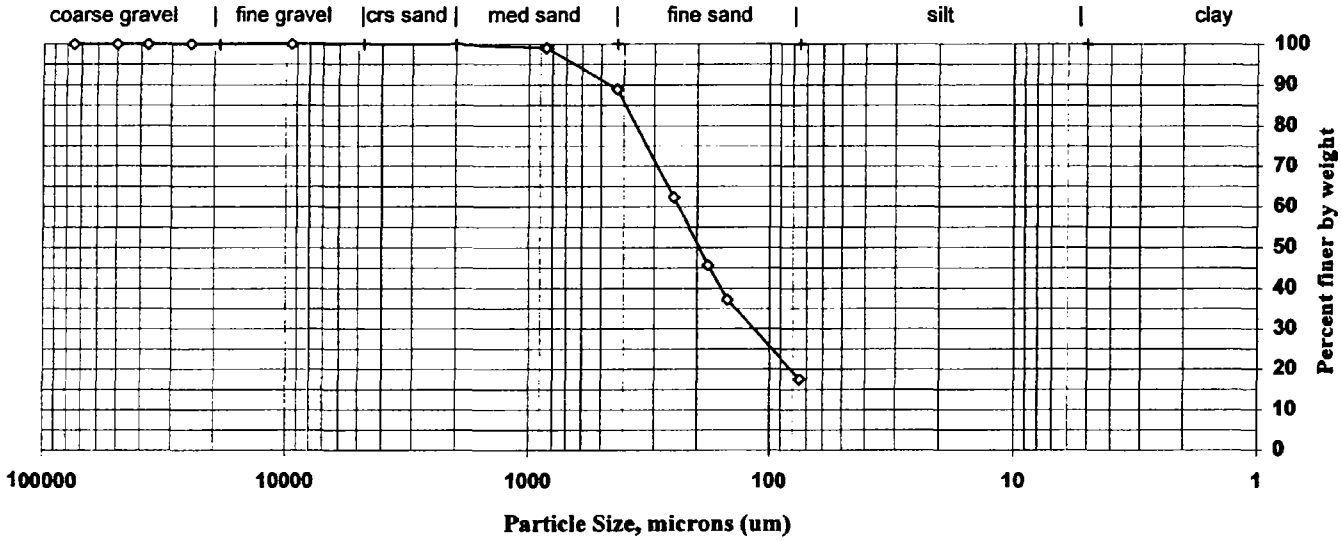
Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625730 **Sample ID:** NSPSEC2-1-0605-10-18

Percent Solids: 80.8%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 1.3%

Maximum Particle Size: Crs sand
Shape (> #10): subrounded
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.0	0.9
#40	425	89.0	10.0
#60	250	62.3	26.6
#80	180	45.7	16.6
#100	150	37.2	8.5
#200	75	17.5	19.7
Hydrometer	0.0	0.0	17.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	82.5
Coarse Sand	0.0
Medium Sand	11.0
Fine Sand	71.5
Fines	17.5

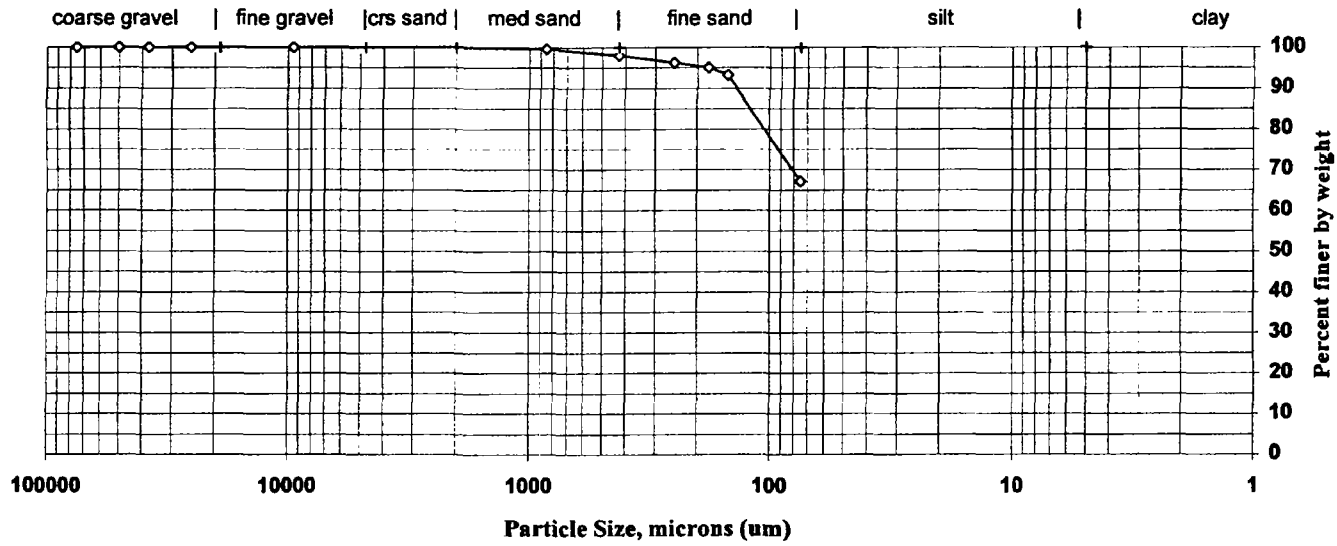
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625731 **Sample ID:** NSPSEC4-1-0605-26-34

Percent Solids:	66.7%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	5.5%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.7	0.3
#40	425	98.0	1.6
#60	250	96.2	1.8
#80	180	95.0	1.2
#100	150	93.2	1.8
#200	75	67.2	26.0
Hydrometer	0.0	0.0	67.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	32.8
Coarse Sand	0.0
Medium Sand	2.0
Fine Sand	30.8
Fines	67.2

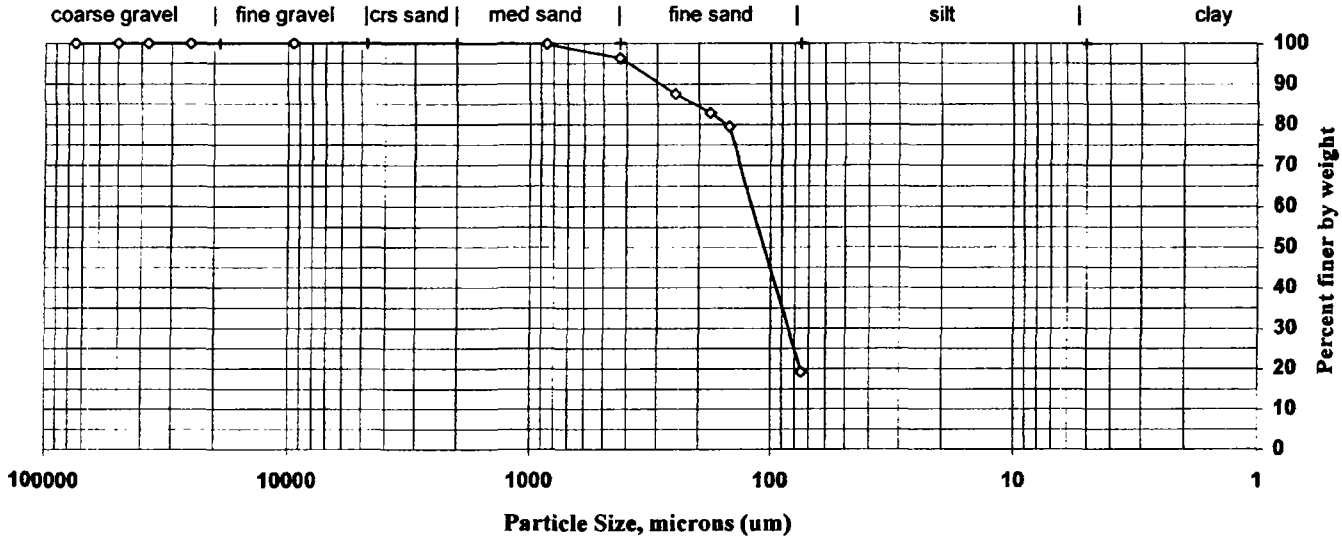
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625732 **Sample ID:** NSPSEC4-1-0605-52-60

Percent Solids:	80.7%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	0.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.8	0.2
#40	425	96.3	3.4
#60	250	87.6	8.8
#80	180	82.8	4.7
#100	150	79.5	3.3
#200	75	19.2	60.3
Hydrometer	0.0	0.0	19.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	80.8
Coarse Sand	0.0
Medium Sand	3.7
Fine Sand	77.1
Fines	19.2

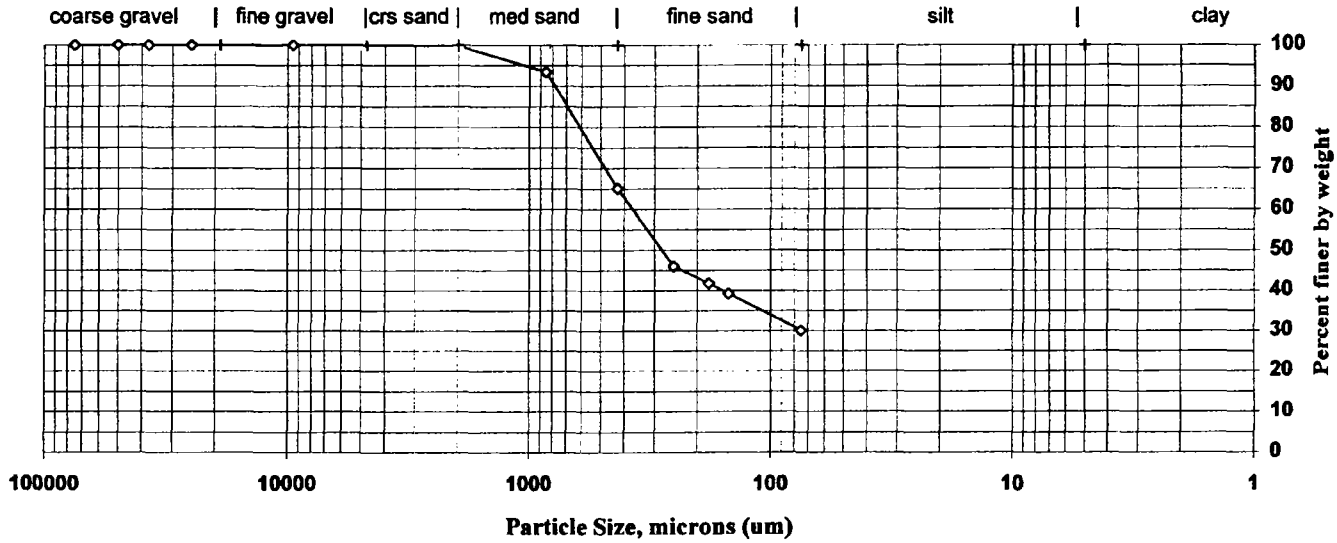
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625733 **Sample ID:** NSPSESQT2-0605-A

Percent Solids:	32.0%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	78.7%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.8	0.2
#20	850	93.5	6.4
#40	425	65.2	28.3
#60	250	46.1	19.1
#80	180	41.8	4.2
#100	150	39.2	2.6
#200	75	30.0	9.2
Hydrometer	0.0	0.0	30.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	70.0
Coarse Sand	0.2
Medium Sand	34.7
Fine Sand	35.1
Fines	30.0

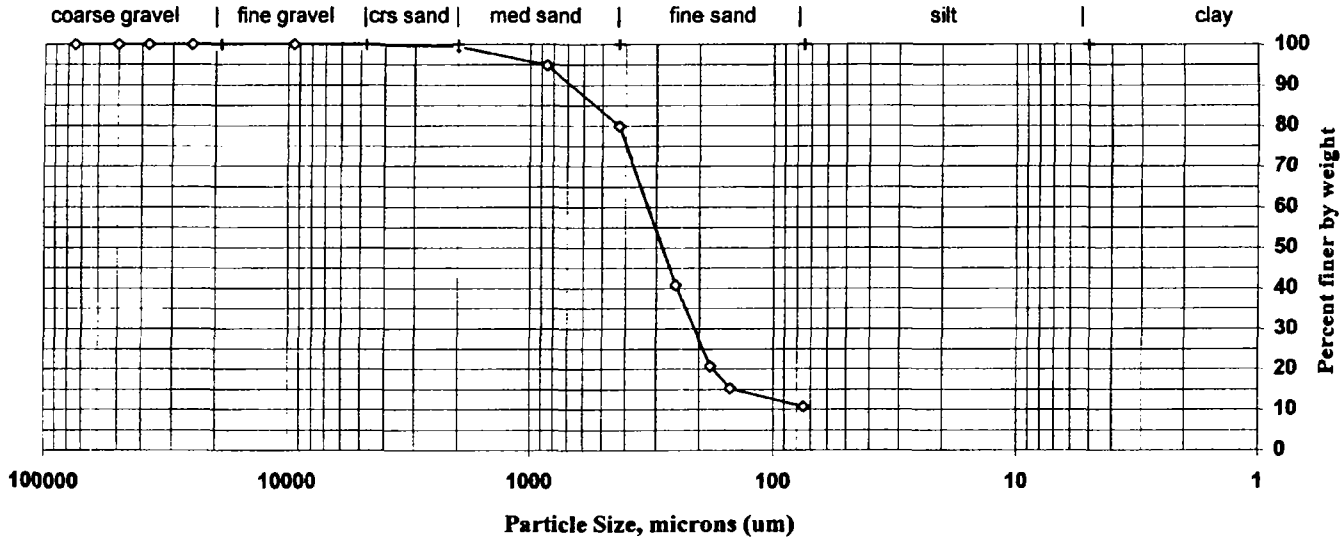
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625734 **Sample ID:** NSPSESQT9-0605-B

Percent Solids:	59.3%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	6.7%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.5	0.5
#20	850	94.9	4.6
#40	425	79.9	15.0
#60	250	40.8	39.1
#80	180	20.7	20.1
#100	150	15.3	5.4
#200	75	10.7	4.6
Hydrometer	0.0	0.0	10.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	89.3
Coarse Sand	0.5
Medium Sand	19.6
Fine Sand	69.2
Fines	10.7

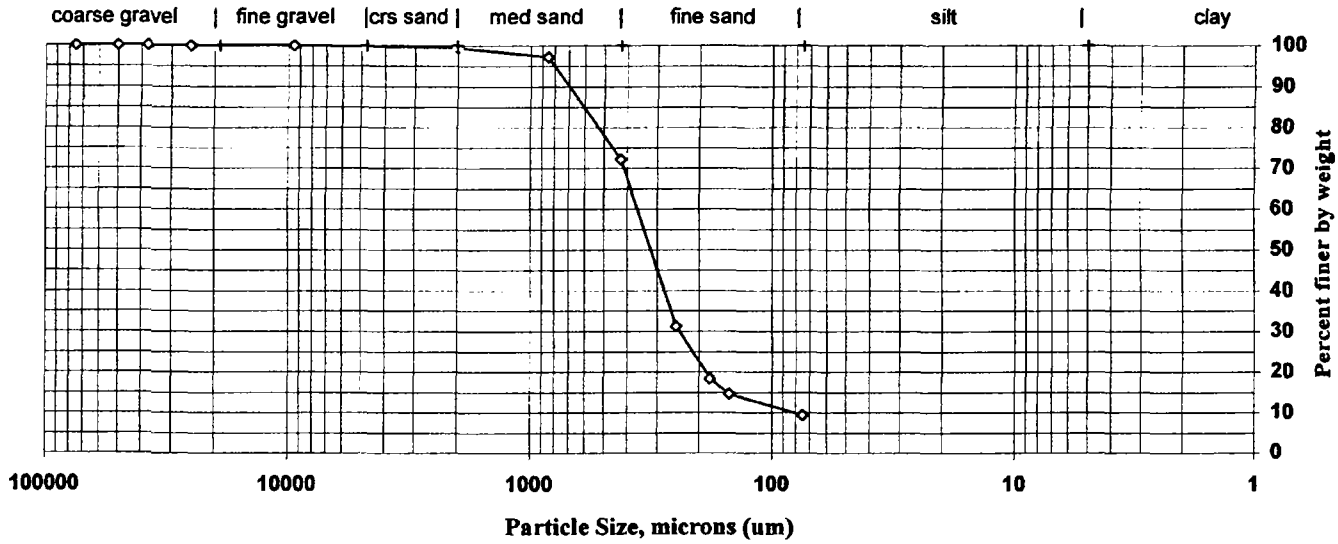
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625735 **Sample ID:** NSPSESQT1-0605-B

Percent Solids:	81.8%		**Maximum Particle Size:**	9.5 mm	
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded	
Non-soil mass:	0.5%		**Hardness (> #10):**	hard	



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.8	0.2
#10	2000	99.5	0.3
#20	850	97.2	2.3
#40	425	72.2	24.9
#60	250	31.3	41.0
#80	180	18.3	12.9
#100	150	14.7	3.6
#200	75	9.4	5.3
Hydrometer	0.0	0.0	9.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.2
Sand	90.4
Coarse Sand	0.3
Medium Sand	27.3
Fine Sand	62.8
Fines	9.4

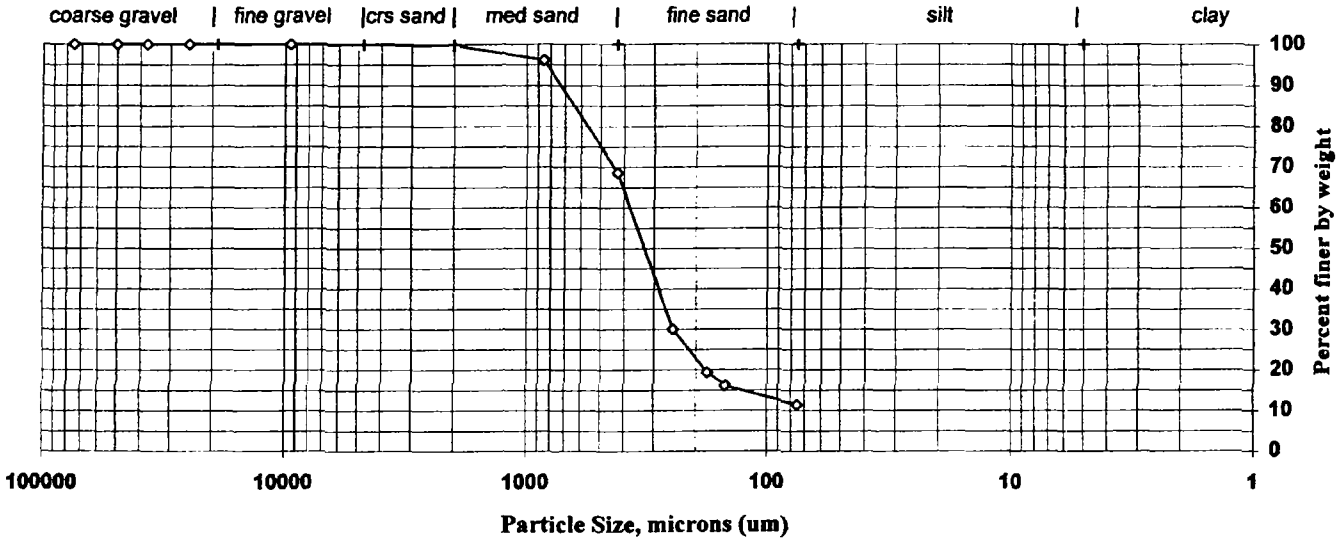
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625736 **Sample ID:** NSPSESQT1-0605-D

Percent Solids:	78.5%		**Maximum Particle Size:** Crs sand
Specific Gravity:	*2.65*	*(assumed)*	***Shape (> #10):*** *subangular*
Non-soil mass:	8.8%		**Hardness (> #10):** hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.8	0.2
#20	850	96.2	3.6
#40	425	68.7	27.5
#60	250	30.1	38.6
#80	180	19.3	10.7
#100	150	16.1	3.2
#200	75	11.5	4.7
Hydrometer	0.0	0.0	11.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	88.5
Coarse Sand	0.2
Medium Sand	31.1
Fine Sand	57.2
Fines	11.5

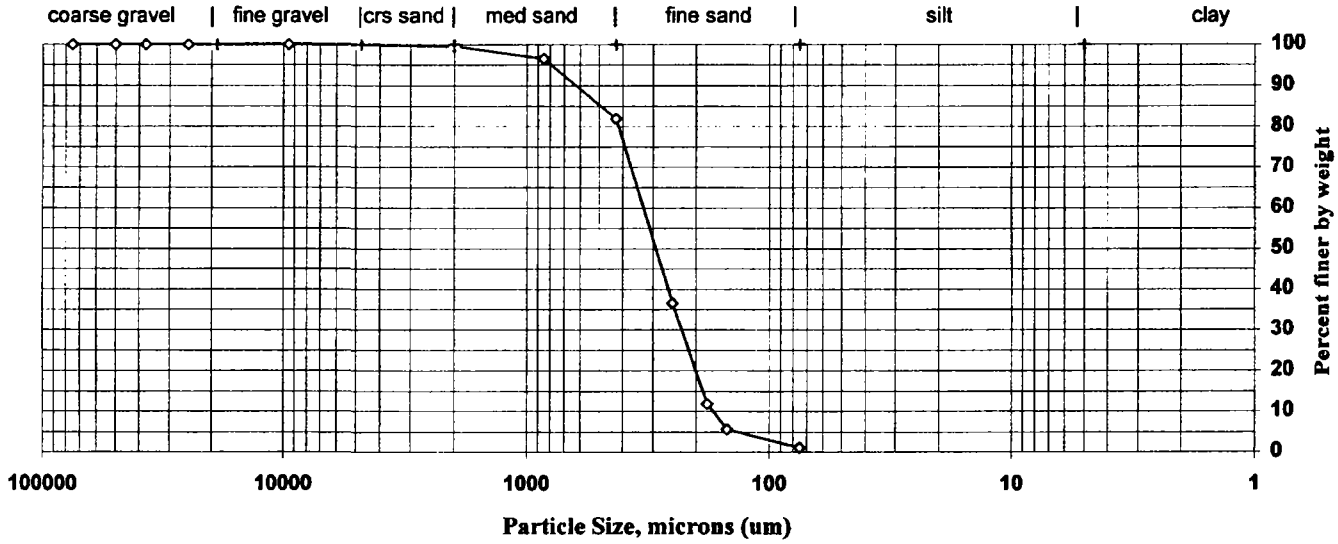
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625737 **Sample ID:** NSPSESQT9-0605-A

Percent Solids:	56.1%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	6.5%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.6	0.4
#20	850	96.5	3.1
#40	425	81.9	14.6
#60	250	36.6	45.3
#80	180	11.8	24.8
#100	150	5.7	6.2
#200	75	1.1	4.6
Hydrometer	0.0	0.0	1.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	98.9
Coarse Sand	0.4
Medium Sand	17.7
Fine Sand	80.8
Fines	1.1

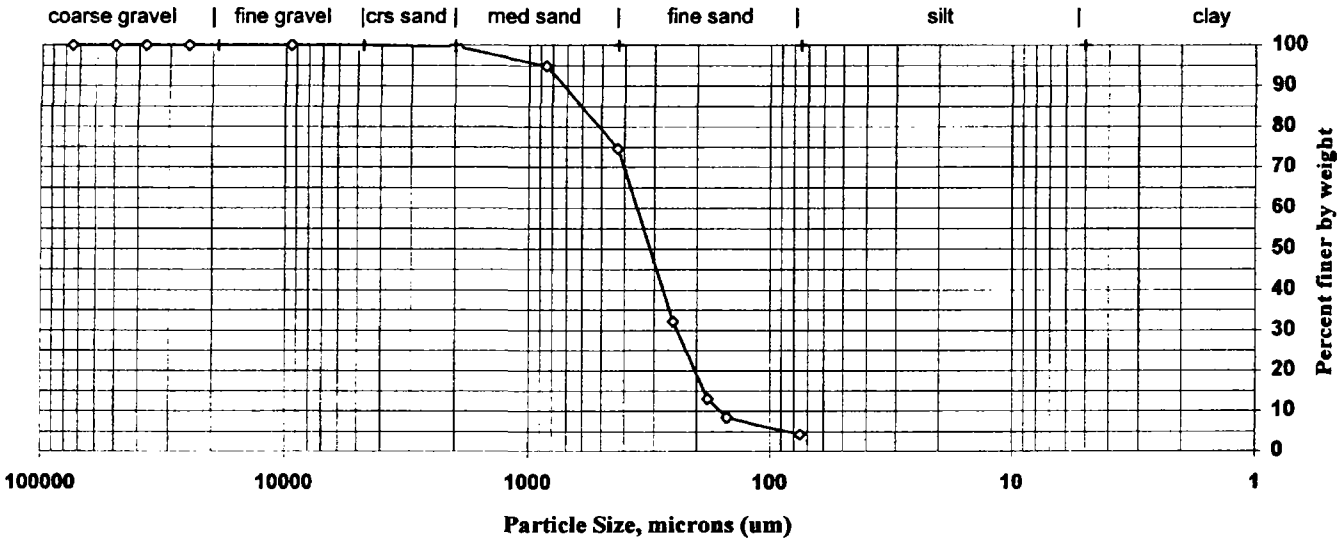
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625738 **Sample ID:** NSPSESQT9-0605-D

Percent Solids:	58.4%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	9.1%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.7	0.3
#20	850	94.9	4.8
#40	425	74.6	20.3
#60	250	32.2	42.4
#80	180	13.0	19.2
#100	150	8.4	4.6
#200	75	4.3	4.1
Hydrometer	0.0	0.0	4.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	95.7
Coarse Sand	0.3
Medium Sand	25.1
Fine Sand	70.3
Fines	4.3

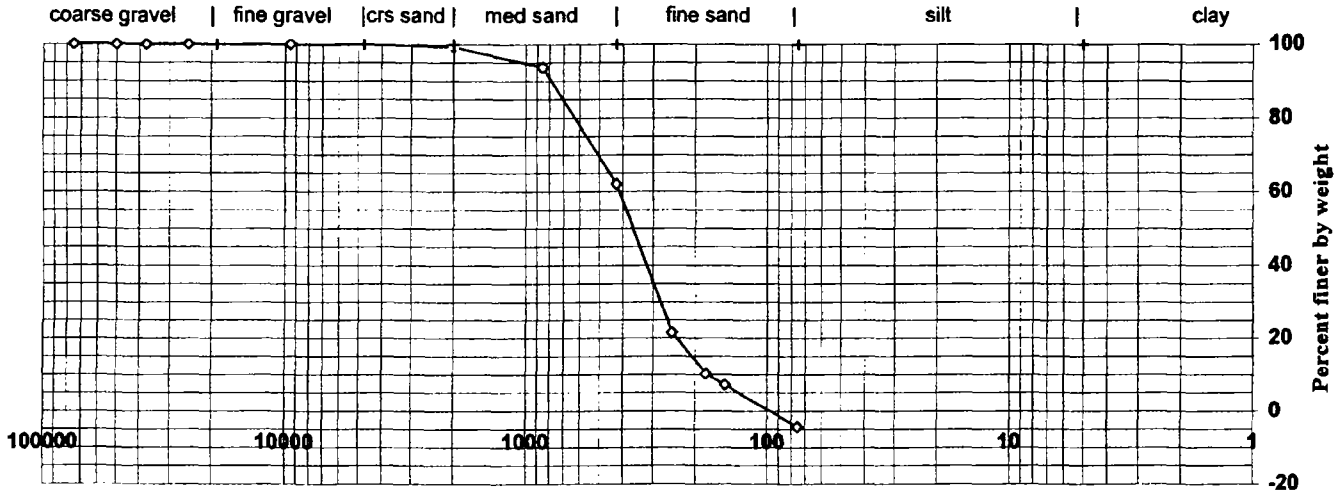
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625739 **Sample ID:** NSPSESQT1-0605-A

Percent Solids:	76.9%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	0.2%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.2	0.8
#20	850	93.7	5.5
#40	425	62.1	31.6
#60	250	21.5	40.6
#80	180	10.2	11.2
#100	150	7.2	3.0
#200	75	-4.3	11.6
Hydrometer	0.0	0.0	-4.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	104.3
Coarse Sand	0.8
Medium Sand	37.1
Fine Sand	66.5
Fines	-4.3

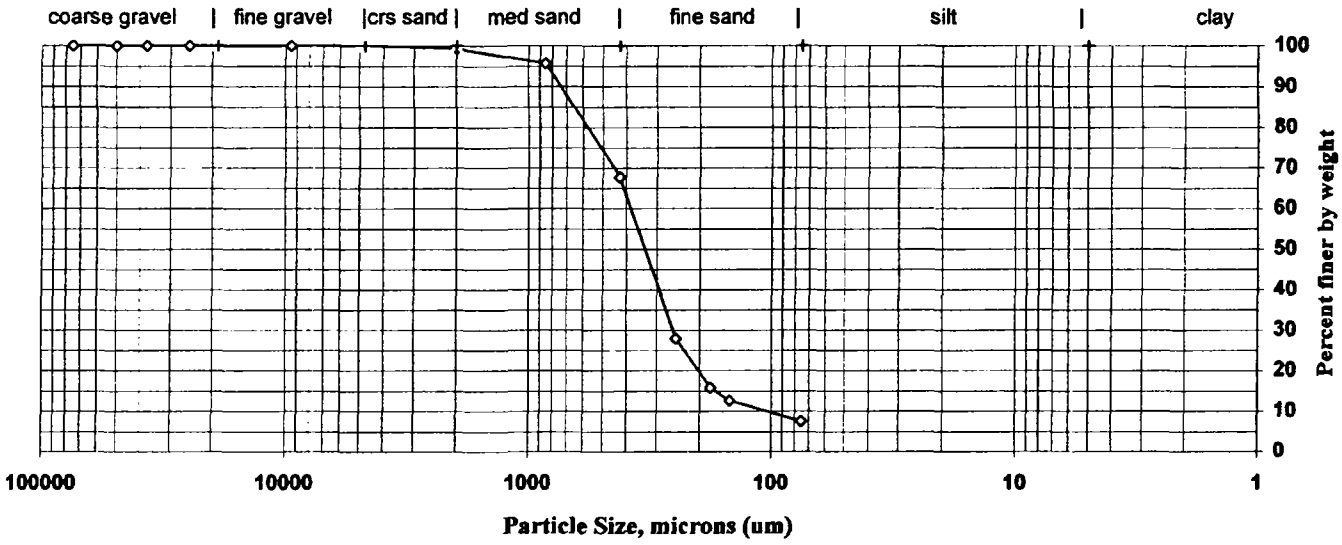
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625740 **Sample ID:** NSPSESQT1-0605-C

Percent Solids:	78.3%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	0.7%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.4	0.6
#20	850	95.8	3.6
#40	425	67.8	28.0
#60	250	28.0	39.8
#80	180	15.9	12.0
#100	150	12.6	3.3
#200	75	7.6	5.0
Hydrometer	0.0	0.0	7.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	92.4
Coarse Sand	0.6
Medium Sand	31.6
Fine Sand	60.2
Fines	7.6

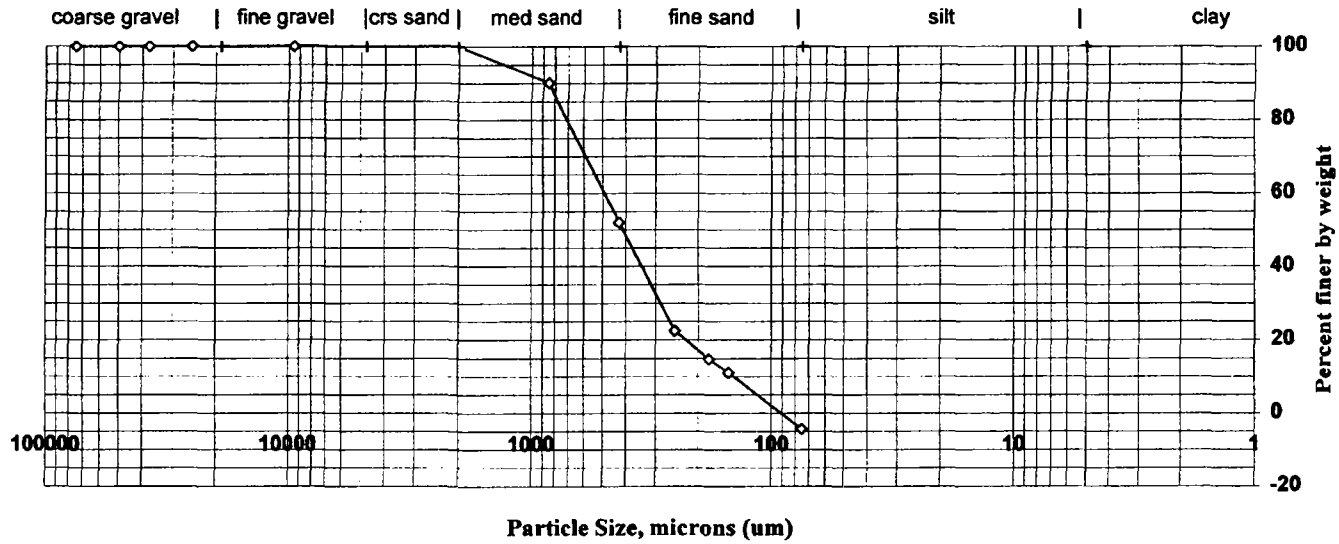
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625741 **Sample ID:** NSPSESQT2-0605-D

Percent Solids:	33.8%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	129.2%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	90.2	9.8
#40	425	52.0	38.2
#60	250	22.5	29.5
#80	180	14.8	7.6
#100	150	11.1	3.7
#200	75	-4.3	15.4
Hydrometer	0.0	0.0	-4.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	104.3
Coarse Sand	0.0
Medium Sand	48.0
Fine Sand	56.3
Fines	-4.3

Particle Size of Soils by ASTM D422

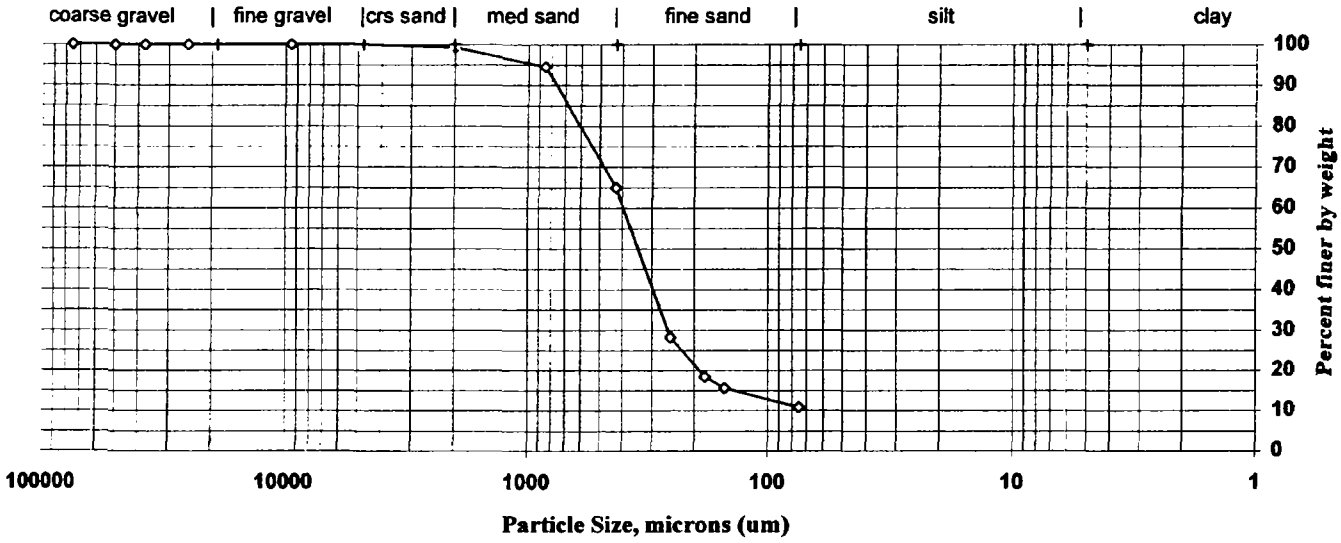
Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107937
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107937
Date Received:	21-Jun-05	**Start Date:**	5-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625742 **Sample ID:** NSPSESQT1-0605-E

Percent Solids: 81.4%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 0.8%

Maximum Particle Size: Crs sand
Shape (> #10): subangular
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.3	0.7
#20	850	94.5	4.7
#40	425	65.0	29.5
#60	250	28.3	36.7
#80	180	18.4	9.9
#100	150	15.7	2.7
#200	75	10.8	4.9
Hydrometer	0.0	0.0	10.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	89.2
Coarse Sand	0.7
Medium Sand	34.3
Fine Sand	54.2
Fines	10.8

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 107971

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

July 27, 2005

Mr. Paul Sklar
URS Corporation
10200 Innovation Dr.
Suite 500
Milwaukee, WI 53226

Re: Laboratory Project No. 25000
Case: 25000; SDG: 107971

Dear Mr. Sklar:

Enclosed are the analytical results for samples received by STL Burlington on June 22 and 23, 2005. This report is sequentially numbered starting with page 0001 and ending with page 0386. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 06/22/05 ETR No: 107971		
625970	NSPSE-SQDUP11-0605	06/20/05	Soil
625971	NSPSE-SQT12-0605A	06/20/05	Soil
625972	NSPSE-SQT12-0605B	06/20/05	Soil
625973	NSPSE-SQT12-0605C	06/20/05	Soil
625973MS	NSPSE-SQT12-0605CMS	06/20/05	Soil
625973DP	NSPSE-SQT12-0605CREP	06/20/05	Soil
625974	NSPSE-SQT12-0605D	06/20/05	Soil
625975	NSPSE-SQT12-0605E	06/20/05	Soil
	Received: 06/23/05 ETR No: 108017		
626304	NSPSE-SQT3-0605-A	06/21/05	Soil
626305	NSPSE-SQT3-0605-B	06/21/05	Soil
626306	NSPSE-SQT3-0605-C	06/21/05	Soil
626307	NSPSE-SQT3-0605-D	06/21/05	Soil
626308	NSPSE-SQT3-0605-E	06/21/05	Soil
626309	NSPSE-SQT11-0605-A	06/21/05	Soil
626310	NSPSE-SQT11-0605-B	06/21/05	Soil
626311	NSPSE-SQT11-0605-C	06/21/05	Soil
626312	NSPSE-SQT11-0605-D	06/21/05	Soil
626313	NSPSE-SQT11-0605-E	06/21/05	Soil
626314	NSPSE-SQDUP12-0605	06/21/05	Soil
626315	NSPSE-SQT4-0605-A	06/22/05	Soil
626316	NSPSE-SQT4-0605-B	06/22/05	Soil
626317	NSPSE-SQT4-0605-C	06/22/05	Soil

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 06/23/05 ETR No: 108017 (continued)		
626318	NSPSE-SQT4-0605-D	06/22/05	Soil
626319	NSPSE-SQT4-0605-E	06/22/05	Soil

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

During the TOC analysis, samples NSPSE-SQT3-0605-D, NSPSE-SQT11-0605-A, NSPSE-SQT11-0605-D, NSPSE-SQT11-0605-E and NSPSE-SQT4-0605-C yielded area counts in at least one replicate that exceeded the area count of the highest calibration standard. However, as the TOC analysis is not amenable to dilution, the results from these analyses are formally presented.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to the requirements specified in the NELAC standard. Release of the data contained in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

James Madison
Project Manager

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:
Company: URS Corporation
Address: 10200 Innovation Dr
Milwaukee WI 53226
Contact: Paul Sklar
Phone: 414-831-4100
Fax: 414-831-4101
Contract/ Quote:

Invoice to:
Company: Same
Address:
Contact:
Phone:
Fax:

Sampler's Name: Dan Miracle
Sampler's Signature:

Proj. No.
Project Name
No/Type of Containers²

ANALYSIS REQUESTED: TOC; Grain Size; ALS of SEM

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TOC	Grain Size	ALS of SEM	Lab/Sample ID (Lab Use Only)
W/S	6/20	1335			NSP-SE-SQDUP11-0605					X	X		
		1330			NSP-SE-SQT12-0605-A					X	X		
		1340			-B					X	X		
		1350			-C				2	X	X	X	MS/MSD
		1400			-D					X	X		
		1410			-E					X	X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
	6/21/05	0930				
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
				6/22/05	0920	

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix W - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container V - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:
Company: URS Corporation
Address: 10200 Innovation Dr
Milwaukee WI 53226
Contact: Paul Sklar
Phone: 414-831-4100
Fax: 414-831-4101
Contract/ Quote:

Invoice to:
Company: Same
Address:
Contact:
Phone:
Fax:

Sampler's Name: Dan Miracle
Sampler's Signature:

Proj. No.
Project Name
No/Type of Containers²

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TOC	Grain Size	AVS & SEM	Lab/Sample ID (Lab Use Only)
W/S	6/20	1335			NSP-SE-SQDUP11-0605					X	X		
		1330			NSP-SE-SQT12-0605-A					X	X		
		1340			-B					X	X		
		1350			-C					2 X	X	X	MS/MSD
		1400			-D					X	X		
↓	↓	1410			↓ -E					X	X		

Truncate one Dash

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
	6/21/05	0930				
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:
Company: URS Corporation
Address: 10200 Innovation Dr
Milwaukee WI 53226
Contact: Paul Sklar
Phone: 414-831-4100
Fax: 414-831-4101
Contract/ Quote:

Invoice to:
Company: Same
Address:
Contact:
Phone:
Fax:

Sampler's Name: Dan Miracle
Sampler's Signature:

Proj. No.
Project Name: Ashland / NSP Lakefront
No/Type of Containers²

ANALYSIS REQUESTED: TOC; GRAIN SIZE; AVS:SEM

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Custody Seal N / Y
Intact N / Y
Screened For Radioactivity ☐

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Lab/Sample ID (Lab Use Only)	TOC	GRAIN SIZE	AVS:SEM
S	6/21/2005	1450			NSP-SE-SQT3-0605-A						X	X	X
		1510			-B						X	X	X
		1520			-C						X	X	
		1530			-D						X	X	
		1540			-E						X	X	
		0935			NSP-SE-SQT11-0605-A						X	X	
		0945			-B						X	X	
		0955			-C						X	X	
		1005			-D						X	X	X
		1015			-E						X	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Remarks
	6/22/05	1100		6/23	0930	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:
Company: URS Corporation
Address: 10200 Innovation Dr
Milwaukee WI 53226
Contact: Paul Sticker
Phone: 414-831-4100
Fax: 414-831-4101
Contract/ Quote:

Invoice to:
Company: Same
Address:
Contact:
Phone:
Fax:

Sampler's Name: Dan Miracle
Sampler's Signature:

Proj. No.
Project Name: Ashland / NSP Lakefront
No/Type of Containers²

ANALYSIS REQUESTED: TOC; GRAIN SIZE; AVS: SEM

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Custody Seal N / Y
Intact N / Y
Screened For Radioactivity ☐

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TOC	GRAIN SIZE	AVS: SEM	Lab/Sample ID (Lab Use Only)
S	6/21	1515			NSP-SE-SQDUP12-0605					X	X	X	
	6/22	0850			NSP-SE-SQT4-0605-A					X	X		
		0900			-B					X	X		
		0910			-C					X	X		
		0920			-D					X	X		
		0930			-E					X	X	X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/22/05	1100		6/23-05	0930
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other

STL cannot accept verbal changes.
Please Fax written changes to
(802) 655-1248

STL-8234-200 (12/02)

SEVERN TRENT STL

Sample Data Summary Package For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP11-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625970

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 74.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		74.6	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	670	763	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625971

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 75.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		75.5	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	662	908	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625972

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 76.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		76.6	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	653	860	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625973

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 78.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	20.0	20.0	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		78.9	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	634	872	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625974

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 72.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		72.3	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	692	782	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625975

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 72.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/11/05	N/A	%	1.0		72.3	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	1	692	921	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT3-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626304

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 21.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		21.1	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	2370	435000	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT3-0605-B

Lab Name: STL BURLINGTON | **Contract:** 25688375 | **SDG No.:** 107971

Lab Code: STLVT | **Case No.:** 25000 | **Lab Sample ID:** 626305

Matrix: SOIL | **Client:** URSCO9 | **Date Received:** 06/23/05

% Solids: 42.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	36.3	90.8	
IN623	Solids, Percent	06/30/05	N/A	%	1.0		42.1	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1190	177000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT3-0605-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626306

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 30.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		30.7	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1630	382000	

Printed on: 07/26/05 08:18 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT3-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626307

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 32.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		32.6	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1530	364000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT3-0605-E

Lab Name: STL BURLINGTON | **Contract:** 25688375 | **SDG No.:** 107971

Lab Code: STLVT | **Case No.:** 25000 | **Lab Sample ID:** 626308

Matrix: SOIL | **Client:** URSCO9 | **Date Received:** 06/23/05

% Solids: 42.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		42.3	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1180	114000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT11-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626309

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 37.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		37.3	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1340	499000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT11-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626310

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 26.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		26.5	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1890	511000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT11-0605-C

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626311

Matrix: SOIL
Client: URSCO9
Date Received: 06/23/05

% Solids: 21.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		21.4	
IN847	*TOC by Lloyd Kahn*	*07/01/05*	*BLKLK0701B*	*mg/Kg*	*1*	*2340*	*456000*	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT11-0605-D

Lab Name: STL BURLINGTON | **Contract:** 25688375 | **SDG No.:** 107971

Lab Code: STLVT | **Case No.:** 25000 | **Lab Sample ID:** 626312

Matrix: SOIL | **Client:** URSCO9 | **Date Received:** 06/23/05

% Solids: 26.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	57.9	57.9	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		26.0	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1920	631000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT11-0605-E

Lab Name: STL BURLINGTON | **Contract:** 25688375 | **SDG No.:** 107971

Lab Code: STLVT | **Case No.:** 25000 | **Lab Sample ID:** 626313

Matrix: SOIL | **Client:** URSCO9 | **Date Received:** 06/23/05

% Solids: 31.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		31.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1600	416000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP12-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626314

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 50.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	31.4	70.7	
IN623	Solids, Percent	06/30/05	N/A	%	1.0		50.0	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1000	191000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT4-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626315

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 33.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		33.1	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1510	391000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT4-0605-B

Lab Name: STL BURLINGTON
Contract: 25688375
SDG No.: 107971

Lab Code: STLVT
Case No.: 25000
Lab Sample ID: 626316

Matrix: SOIL
Client: URSCO9
Date Received: 06/23/05

% Solids: 34.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		34.9	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1430	461000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT4-0605-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626317

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 34.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		34.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1460	520000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT4-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626318

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 33.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/30/05	N/A	%	1.0		33.8	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1480	474000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT4-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626319

Matrix: SOIL | Client: URSCO9 | Date Received: 06/23/05

% Solids: 37.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	41.6	41.6	U
IN623	Solids, Percent	06/30/05	N/A	%	1.0		37.3	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	1	1340	433000	

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WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 107971

Lab Code: STLVT **Case No.:** 25000

Matrix: SOIL **Client:** URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK0630A	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	06/30/05	BLKLK0630A
BLKLK0701B	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	07/01/05	BLKLK0701B
BLKSU0629A	AVS	Acid Volatile Sulfide	8.0	mg/Kg	U	1	8.0	06/29/05	BLKSU0629A

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WET CHEMISTRY

Matrix Spike Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605CMS

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625973MS

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 78.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Matrix Spike Result Conc.	Qual.	Sample Result Conc.	Qual.	Spike Added	% Recovery*
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	360		20.0	U	468	77
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	53900		872		52200	102

** Control Limit for Percent Recovery is 75-125%, unless otherwise specified.*

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WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.
NSPSE-SQT12-0605CREP

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 107971

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 625973DP

Matrix: SOIL | Client: URSCO9 | Date Received: 06/22/05

% Solids: 78.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	20.0	U	19.8	U	0
IN623	Solids, Percent	06/30/05	N/A	%	78.9		78.9		0
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	872		831		5

** Control Limit for RPD is +/- 20%, unless otherwise specified.*

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WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 107971

Lab Code: STLVT **Case No.:** 25000

Matrix: SOIL **Client:** URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Recovery*
LCSLK0630A	IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630A	mg/Kg	8270	8400	98
LCSLK0701B	IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701B	mg/Kg	8240	8400	98
LCSSU0629A	AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	352	384	92

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

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SEVERN TRENT STL

Sample Data Summary Package
For Metals

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT12-0605CREP

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: Soil Client: URSCO9 Lab Sample ID: 625973DP

% Solids: 78.9 Date Received: 06/22/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0011	07/16/2005	00:30	PBSEM062905A
SW6010B	Copper	0.015	umole/g	B		0.013	07/16/2005	00:30	PBSEM062905A
SW6010B	Lead	0.0051	umole/g			0.0033	07/16/2005	00:30	PBSEM062905A
SW6010B	Nickel	0.013	umole/g	B		0.012	07/16/2005	00:30	PBSEM062905A
SW6010B	Zinc	0.037	umole/g	B		0.020	07/16/2005	00:30	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.00077	07/07/2005	09:58	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.62	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT12-0605C

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: Soil Client: URSCO9 Lab Sample ID: 625973

% Solids: 78.9 Date Received: 06/22/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	00:17	PBSEM062905A
SW6010B	Copper	0.016	umole/g	B		0.013	07/16/2005	00:17	PBSEM062905A
SW6010B	Lead	0.0072	umole/g			0.0033	07/16/2005	00:17	PBSEM062905A
SW6010B	Nickel	ND	umole/g	U		0.012	07/16/2005	00:17	PBSEM062905A
SW6010B	Zinc	0.037	umole/g	B		0.020	07/16/2005	00:17	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.00080	07/07/2005	09:56	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.62	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT3-0605-B

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: Soil Client: URSCO9 Lab Sample ID: 626305

% Solids: 42.1 Date Received: 06/23/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0020	07/16/2005	00:47	PBSEM062905A
SW6010B	Copper	0.069	umole/g	B		0.024	07/16/2005	00:47	PBSEM062905A
SW6010B	Lead	0.074	umole/g			0.0058	07/16/2005	00:47	PBSEM062905A
SW6010B	Nickel	0.022	umole/g	B		0.020	07/16/2005	00:47	PBSEM062905A
SW6010B	Zinc	0.36	umole/g			0.037	07/16/2005	00:47	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.0014	07/07/2005	10:06	PBHGSEM062905
AVS	Acid Volatile Sulfide	2.8	umole/g			1.1	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	0.19							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT11-0605-D

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: Soil Client: URSCO9 Lab Sample ID: 626312

% Solids: 26.0 Date Received: 06/23/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0057	umole/g	B		0.0032	07/16/2005	00:51	PBSEM062905A
SW6010B	Copper	0.12	umole/g	B		0.038	07/16/2005	00:51	PBSEM062905A
SW6010B	Lead	0.038	umole/g			0.0097	07/16/2005	00:51	PBSEM062905A
SW6010B	Nickel	ND	umole/g	U		0.034	07/16/2005	00:51	PBSEM062905A
SW6010B	Zinc	0.33	umole/g			0.060	07/16/2005	00:51	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.0022	07/07/2005	10:08	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.8	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQDUP12-0605

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: Soil Client: URSCO9 Lab Sample ID: 626314

% Solids: 50.0 Date Received: 06/23/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0018	07/16/2005	00:55	PBSEM062905A
SW6010B	Copper	0.29	umole/g			0.020	07/16/2005	00:55	PBSEM062905A
SW6010B	Lead	0.067	umole/g			0.0053	07/16/2005	00:55	PBSEM062905A
SW6010B	Nickel	0.42	umole/g			0.019	07/16/2005	00:55	PBSEM062905A
SW6010B	Zinc	0.30	umole/g			0.032	07/16/2005	00:55	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.0012	07/07/2005	10:10	PBHGSEM062905
AVS	Acid Volatile Sulfide	2.2	umole/g			0.98	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	0.50							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT4-0605-E

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: Soil Client: URSCO9 Lab Sample ID: 626319

% Solids: 37.3 Date Received: 06/23/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0061	umole/g	B		0.0023	07/16/2005	00:59	PBSEM062905A
SW6010B	Copper	0.71	umole/g			0.028	07/16/2005	00:59	PBSEM062905A
SW6010B	Lead	0.065	umole/g			0.0068	07/16/2005	00:59	PBSEM062905A
SW6010B	Nickel	0.039	umole/g	B		0.024	07/16/2005	00:59	PBSEM062905A
SW6010B	Zinc	0.74	umole/g			0.043	07/16/2005	00:59	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.0016	07/07/2005	10:12	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.3	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

PBLK1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 107971

Matrix: SOIL Client: URSCO9 Lab Sample ID: PBLK1

% Solids: Date Received:

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.00089	07/16/2005	00:04	PBSEM062905A
SW6010B	Copper	ND	umole/g	U		0.011	07/16/2005	00:04	PBSEM062905A
SW6010B	Lead	ND	umole/g	U		0.0027	07/16/2005	00:04	PBSEM062905A
SW6010B	Nickel	0.015	umole/g	B		0.0094	07/16/2005	00:04	PBSEM062905A
SW6010B	Zinc	ND	umole/g	U		0.016	07/16/2005	00:04	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.00060	07/07/2005	09:46	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.25	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

SEVERN TRENT STL

Geotechnical Analysis
Sample Data Summary Package

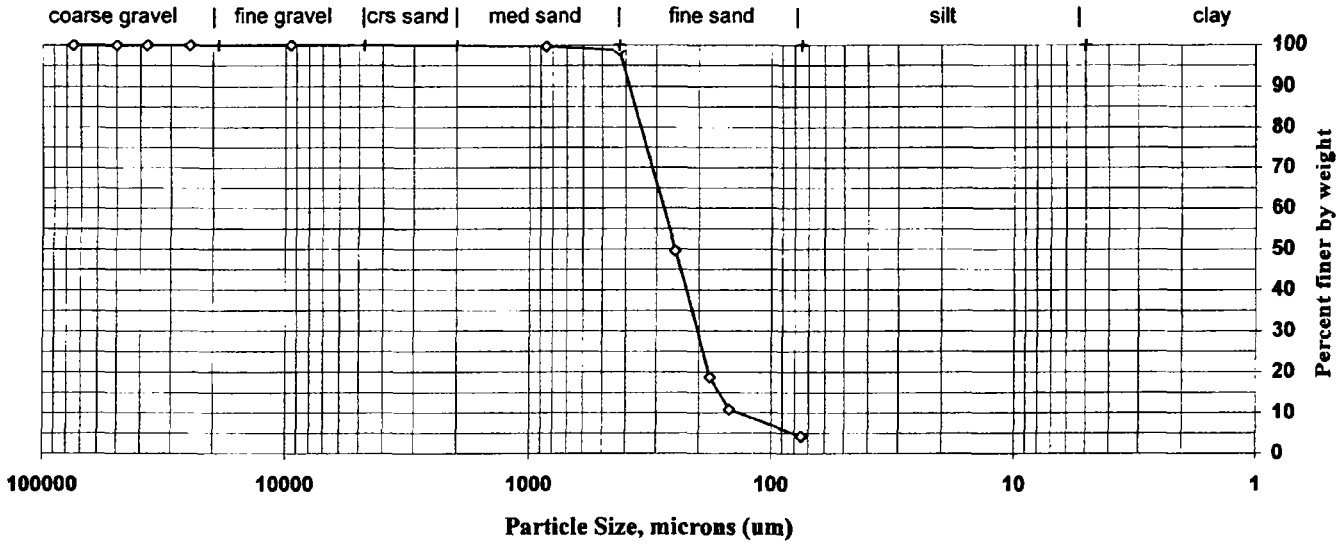
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107971
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	22-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625970 **Sample ID:** NSPSE-SQDUP11-0605

Percent Solids:	75.4%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.9	0.1
#20	850	99.7	0.2
#40	425	98.8	1.0
#60	250	49.6	49.2
#80	180	18.7	30.9
#100	150	10.8	7.9
#200	75	4.2	6.6
Hydrometer	0.0	0.0	4.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	95.8
Coarse Sand	0.1
Medium Sand	1.2
Fine Sand	94.6
Fines	4.2

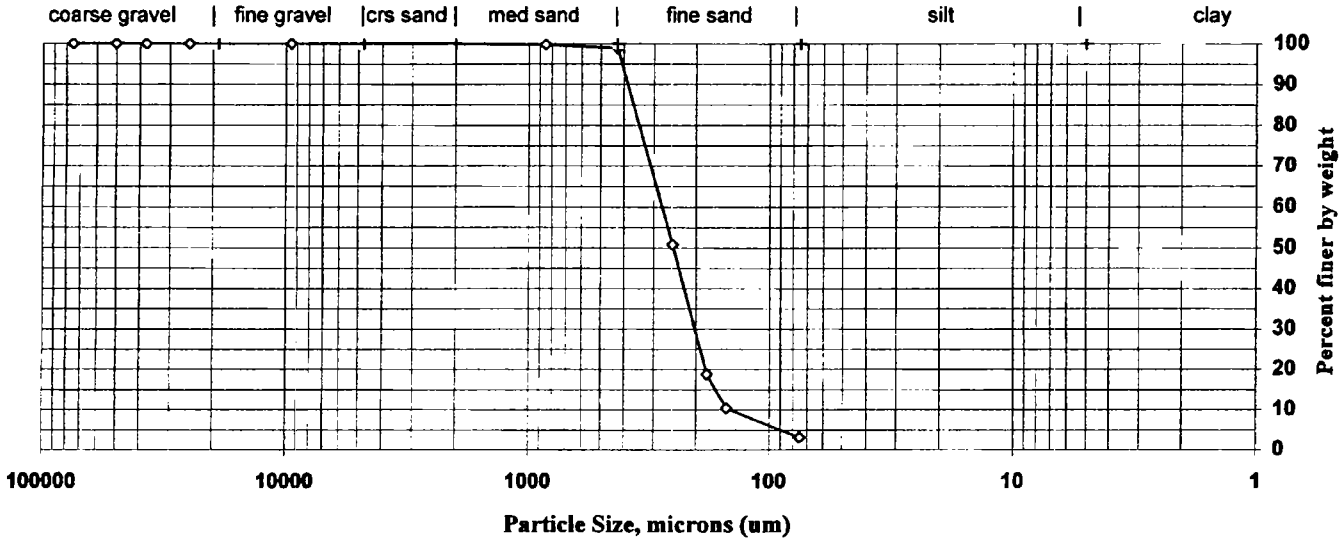
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107971
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	22-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625971 **Sample ID:** NSPSE-SQT12-0605A

Percent Solids:	73.9%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.8	0.2
#40	425	98.9	0.9
#60	250	50.9	48.1
#80	180	18.8	32.0
#100	150	10.4	8.5
#200	75	3.1	7.2
Hydrometer	0.0	0.0	3.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	96.9
Coarse Sand	0.0
Medium Sand	1.0
Fine Sand	95.8
Fines	3.1

Particle Size of Soils by ASTM D422

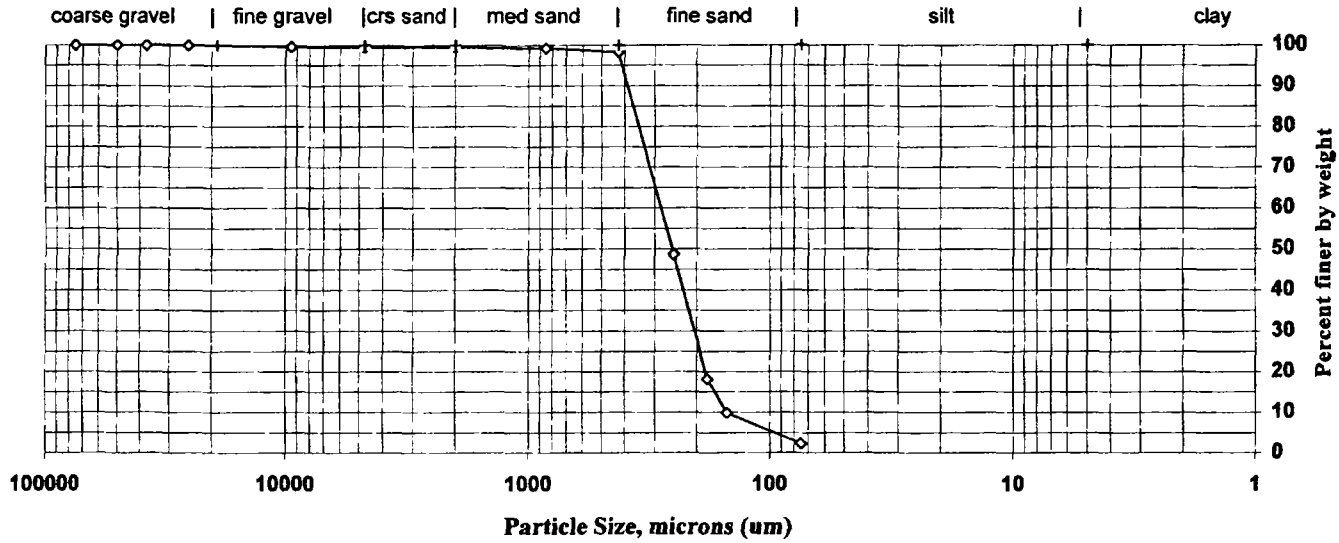
Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107971
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	22-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625972 **Sample ID:** NSPSE-SQT12-0605B

Percent Solids: 73.8%
Specific Gravity: 2.65 (assumed)
Non-soil mass: N/A

Maximum Particle Size: 19 mm
Shape (> #10): subangular
Hardness (> #10): brittle



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	99.6	0.4
#4	4750	99.5	0.2
#10	2000	99.5	0.0
#20	850	99.3	0.2
#40	425	98.3	1.0
#60	250	48.7	49.6
#80	180	18.1	30.5
#100	150	9.9	8.3
#200	75	2.2	7.6
Hydrometer	0.0	0.0	2.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.5
Sand	97.2
Coarse Sand	0.0
Medium Sand	1.2
Fine Sand	96.0
Fines	2.2

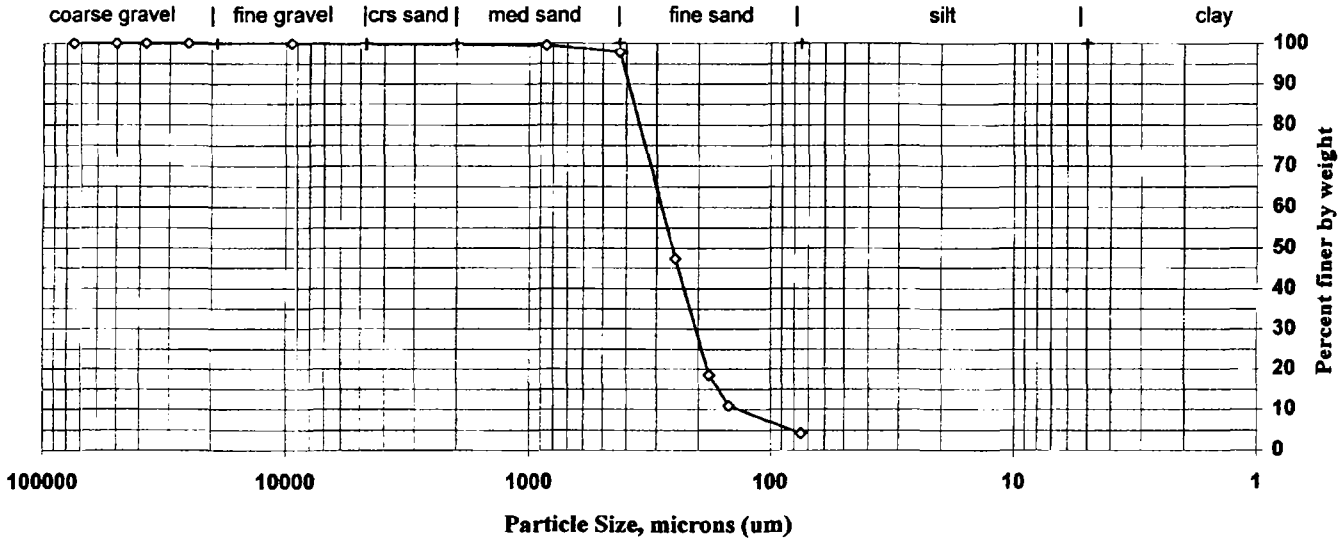
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107971
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	22-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625973 **Sample ID:** NSPSE-SQT12-0605C

Percent Solids:	75.1%		**Maximum Particle Size:**	9.5 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.6%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.7	0.3
#10	2000	99.7	0.1
#20	850	99.5	0.2
#40	425	97.9	1.6
#60	250	47.4	50.5
#80	180	18.6	28.8
#100	150	10.9	7.6
#200	75	4.3	6.7
Hydrometer	0.0	0.0	4.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.3
Sand	95.5
Coarse Sand	0.1
Medium Sand	1.8
Fine Sand	93.7
Fines	4.3

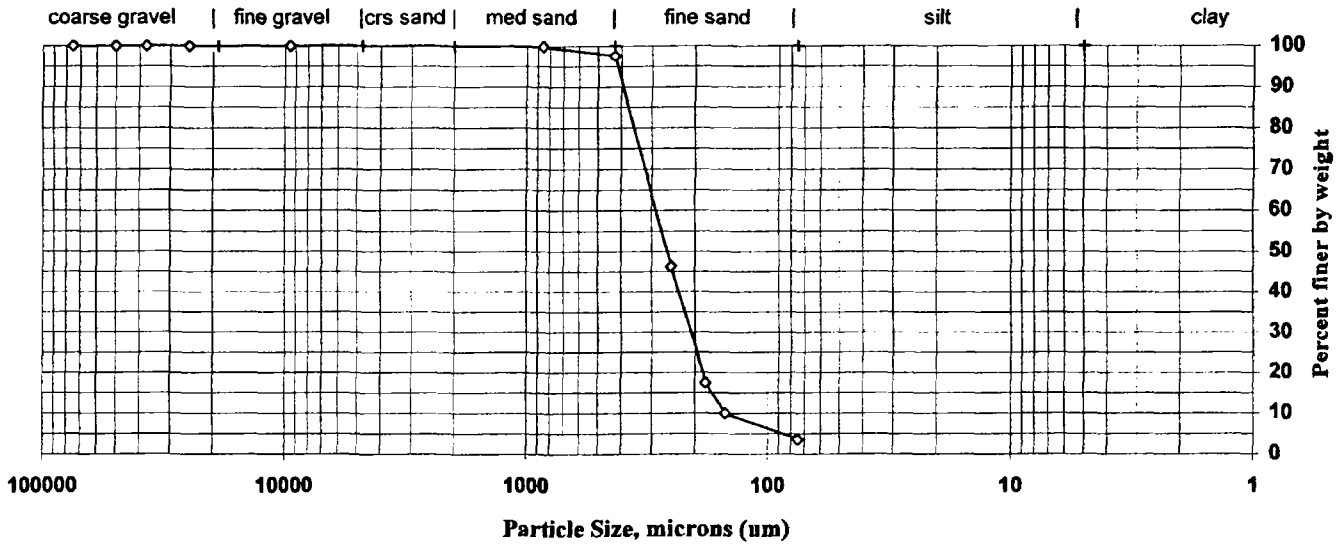
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107971
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	22-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625973DP **Sample ID:** NSPSE-SQT12-0605CREP

Percent Solids:	75.7%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	0.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.8	0.2
#40	425	97.6	2.2
#60	250	46.3	51.3
#80	180	17.4	28.8
#100	150	10.0	7.5
#200	75	3.6	6.4
Hydrometer	0.0	0.0	3.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	96.4
Coarse Sand	0.0
Medium Sand	2.4
Fine Sand	94.0
Fines	3.6

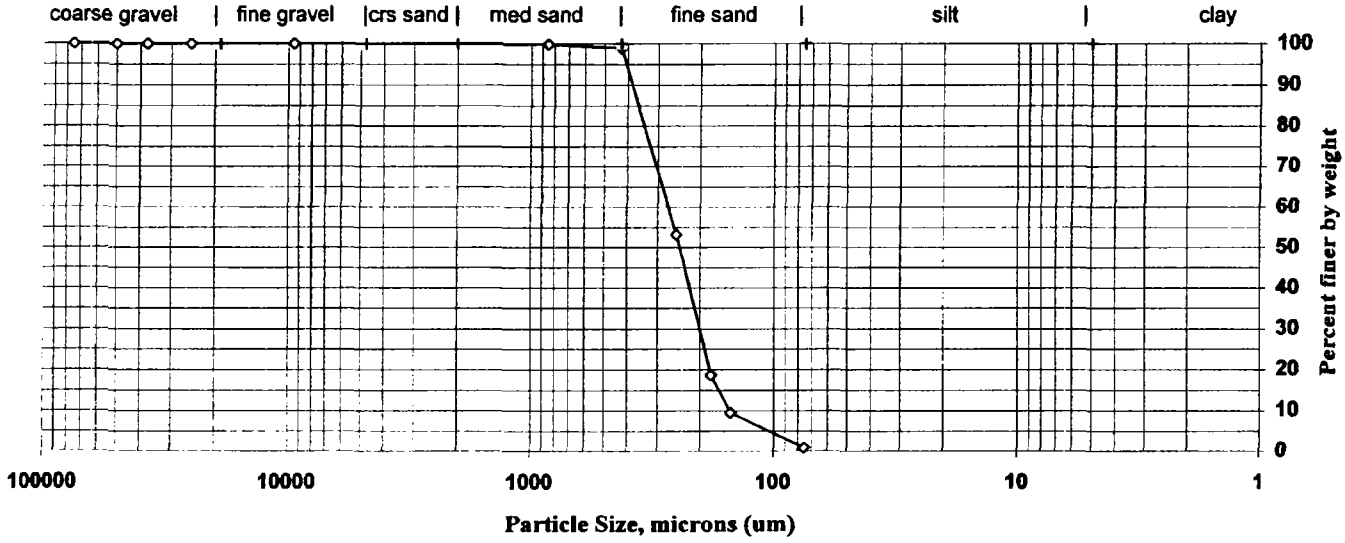
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107971
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	22-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625974 **Sample ID:** NSPSE-SQT12-0605D

Percent Solids:	73.6%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	0.0%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.9	0.1
#40	425	98.9	0.9
#60	250	53.1	45.8
#80	180	18.7	34.5
#100	150	9.5	9.2
#200	75	0.8	8.7
Hydrometer	0.0	0.0	0.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	99.2
Coarse Sand	0.0
Medium Sand	1.1
Fine Sand	98.1
Fines	0.8

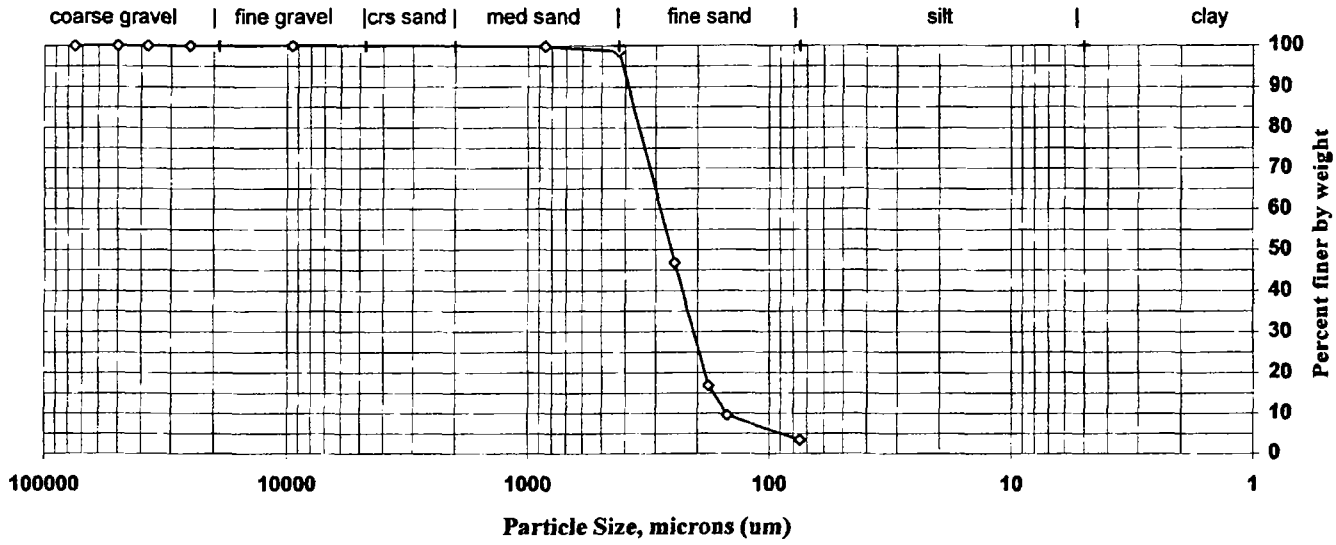
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	107971
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	22-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 625975 **Sample ID:** NSPSE-SQT12-0605E

Percent Solids:	74.9%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.0%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.8	0.2
#40	425	98.6	1.2
#60	250	46.8	51.8
#80	180	16.9	29.9
#100	150	9.6	7.3
#200	75	3.4	6.2
Hydrometer	0.0	0.0	3.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	96.6
Coarse Sand	0.0
Medium Sand	1.3
Fine Sand	95.3
Fines	3.4

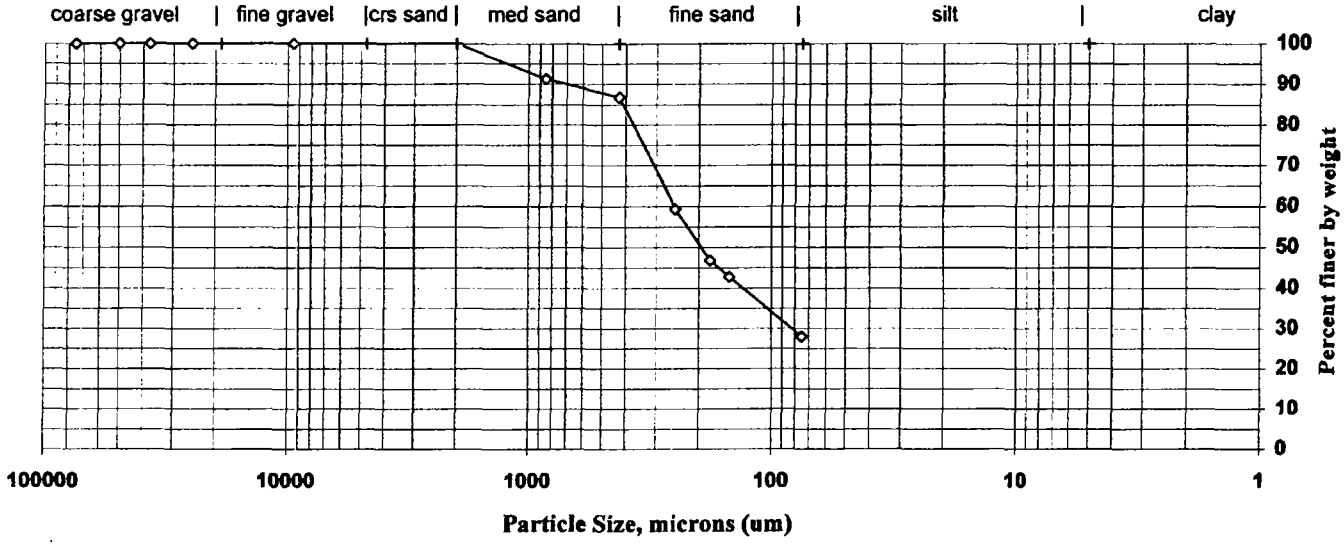
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626304 **Sample ID:** NSPSE-SQT3-0605A

Percent Solids:	25.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	99.9%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	91.3	8.7
#40	425	86.9	4.4
#60	250	59.4	27.5
#80	180	46.8	12.5
#100	150	42.8	4.1
#200	75	28.0	14.7
Hydrometer	0.0	0.0	28.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	72.0
Coarse Sand	0.0
Medium Sand	13.1
Fine Sand	58.8
Fines	28.0

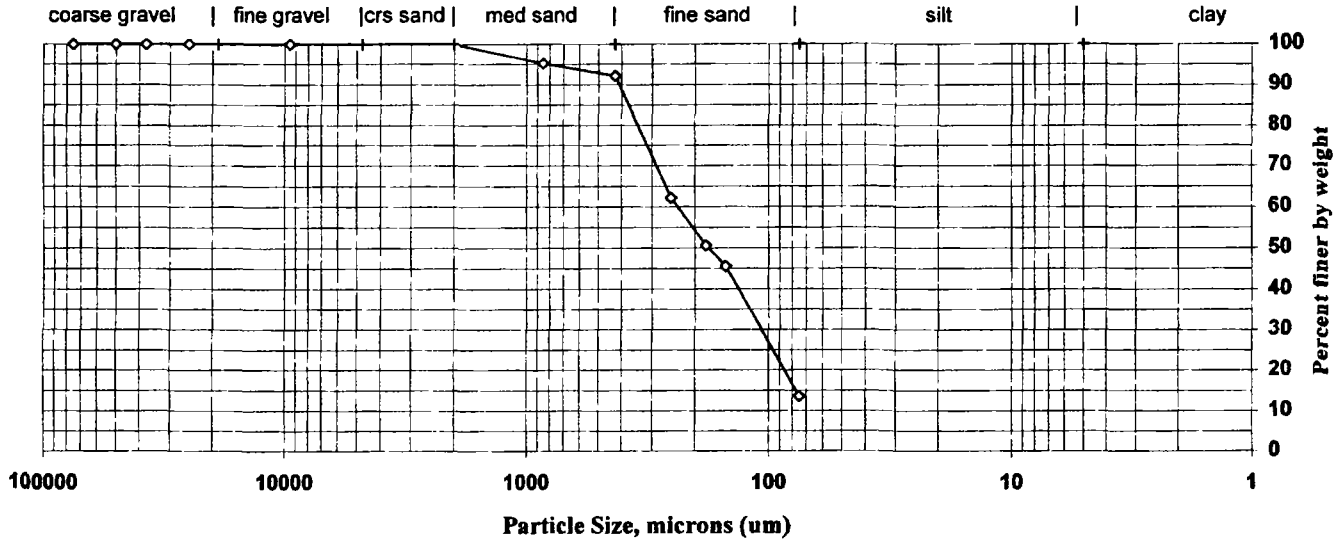
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626305 **Sample ID:** NSPSE-SQT3-0605B

Percent Solids:	29.4%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	66.2%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	95.2	4.8
#40	425	92.1	3.0
#60	250	62.2	29.9
#80	180	50.6	11.6
#100	150	45.6	5.1
#200	75	13.5	32.0
Hydrometer	0.0	0.0	13.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	86.5
Coarse Sand	0.0
Medium Sand	7.9
Fine Sand	78.6
Fines	13.5

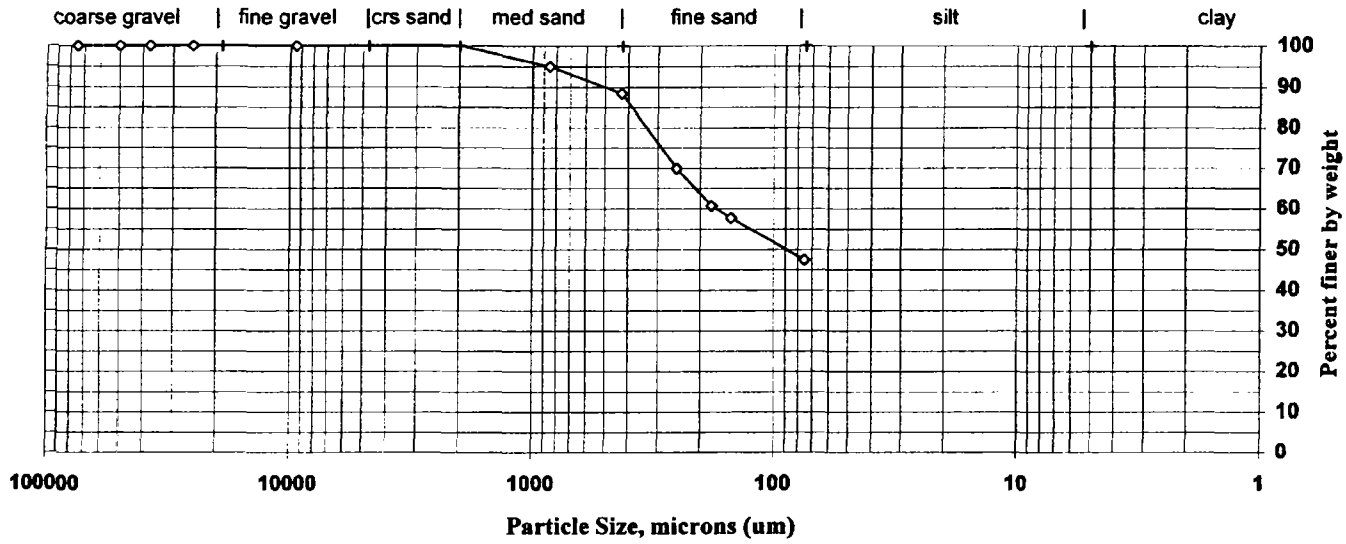
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626306 **Sample ID:** NSPSE-SQT3-0605-C

Percent Solids:	34.4%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	34.2%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	95.0	5.0
#40	425	88.4	6.6
#60	250	70.0	18.4
#80	180	60.8	9.2
#100	150	57.8	3.0
#200	75	47.5	10.2
Hydrometer	0.0	0.0	47.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	52.5
Coarse Sand	0.0
Medium Sand	11.6
Fine Sand	40.9
Fines	47.5

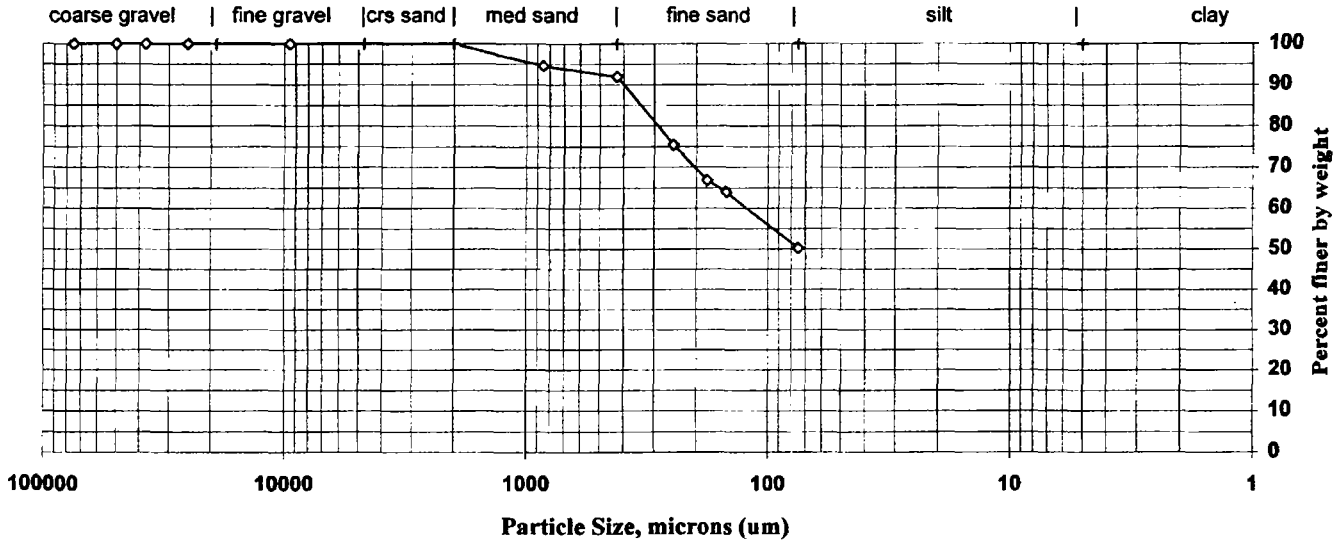
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626307 **Sample ID:** NSPSE-SQT3-0605-D

Percent Solids:	33.9%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	41.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	94.6	5.4
#40	425	91.9	2.6
#60	250	75.5	16.4
#80	180	66.8	8.7
#100	150	64.0	2.8
#200	75	50.2	13.8
Hydrometer	0.0	0.0	50.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	49.8
Coarse Sand	0.0
Medium Sand	8.1
Fine Sand	41.7
Fines	50.2

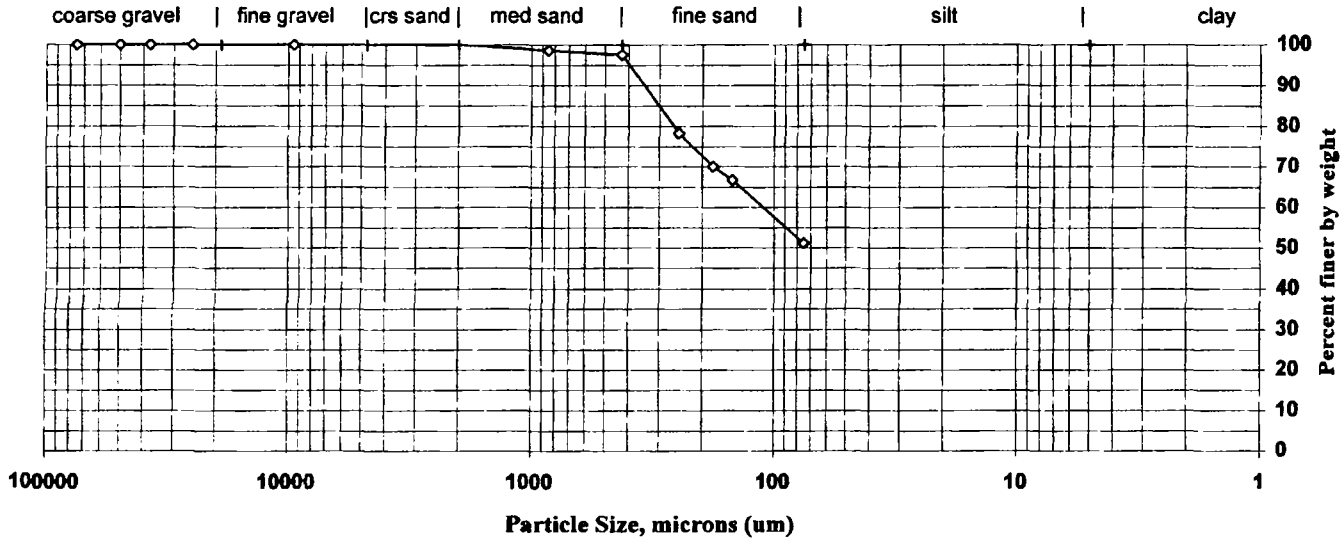
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626308 **Sample ID:** NSPSE-SQT3-0605E

Percent Solids:	51.1%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	18.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.7	1.3
#40	425	97.6	1.1
#60	250	78.3	19.3
#80	180	70.0	8.3
#100	150	66.8	3.2
#200	75	51.1	15.7
Hydrometer	0.0	0.0	51.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	48.9
Coarse Sand	0.0
Medium Sand	2.4
Fine Sand	46.5
Fines	51.1

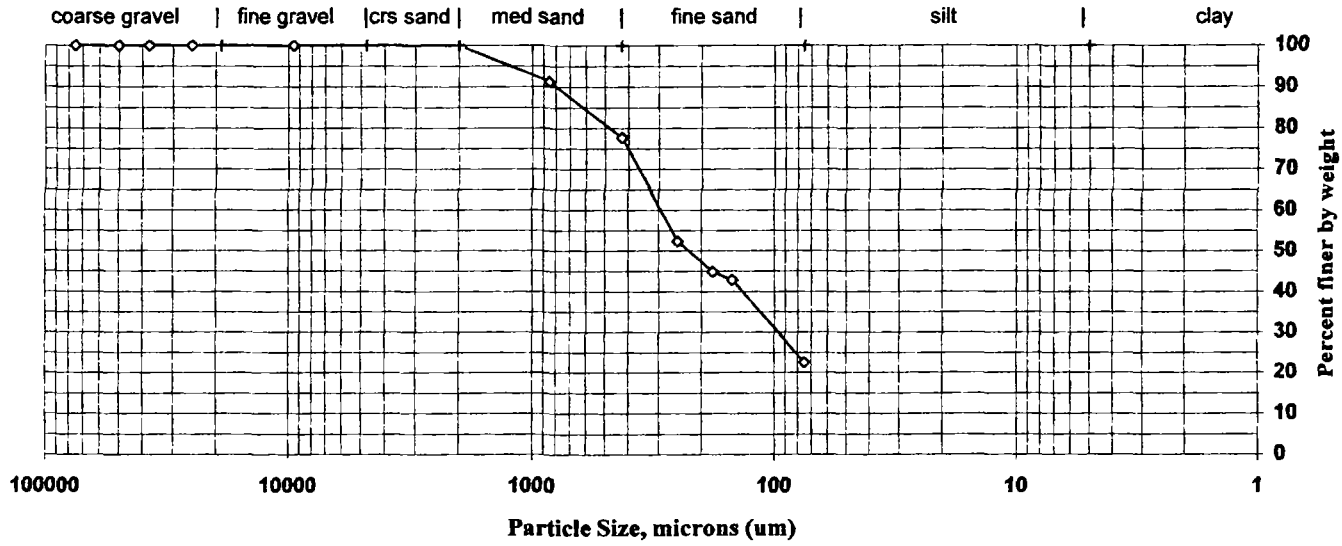
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626309 **Sample ID:** NSPSE-SQT11-0605-A

Percent Solids:	35.3%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	128.9%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	91.3	8.7
#40	425	77.7	13.6
#60	250	52.4	25.4
#80	180	44.9	7.5
#100	150	42.8	2.0
#200	75	22.5	20.3
Hydrometer	0.0	0.0	22.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	77.5
Coarse Sand	0.0
Medium Sand	22.3
Fine Sand	55.2
Fines	22.5

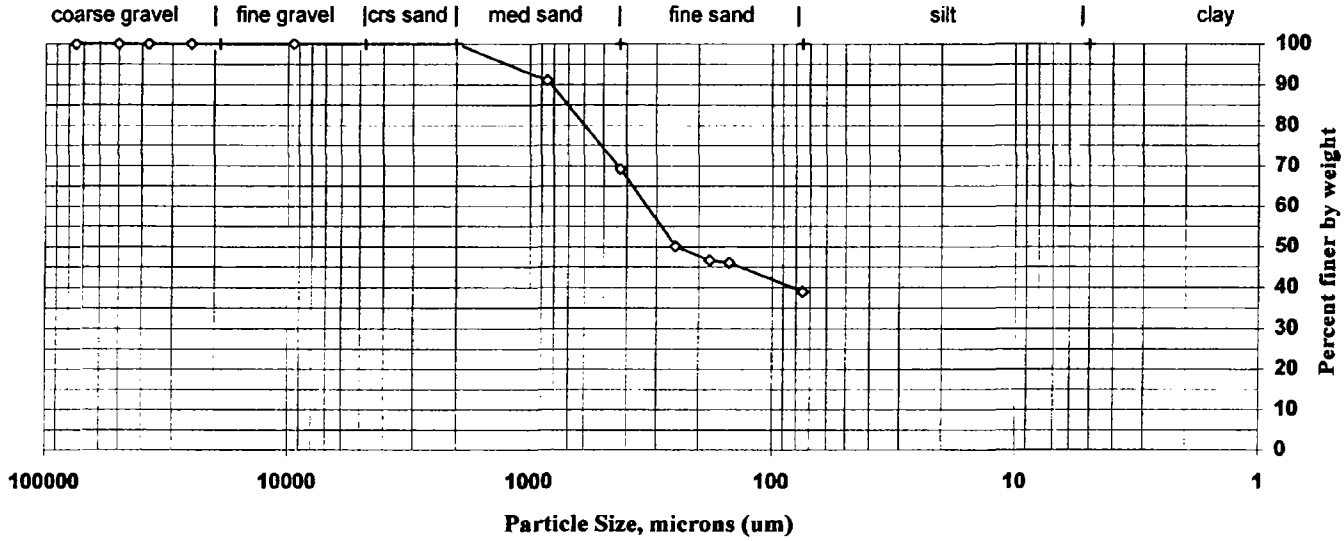
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626310 **Sample ID:** NSPSE-SQT11-0605-B

Percent Solids:	29.5%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	73.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	91.0	9.0
#40	425	69.3	21.7
#60	250	50.1	19.1
#80	180	46.7	3.5
#100	150	46.0	0.6
#200	75	39.0	7.0
Hydrometer	0.0	0.0	39.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	61.0
Coarse Sand	0.0
Medium Sand	30.7
Fine Sand	30.2
Fines	39.0

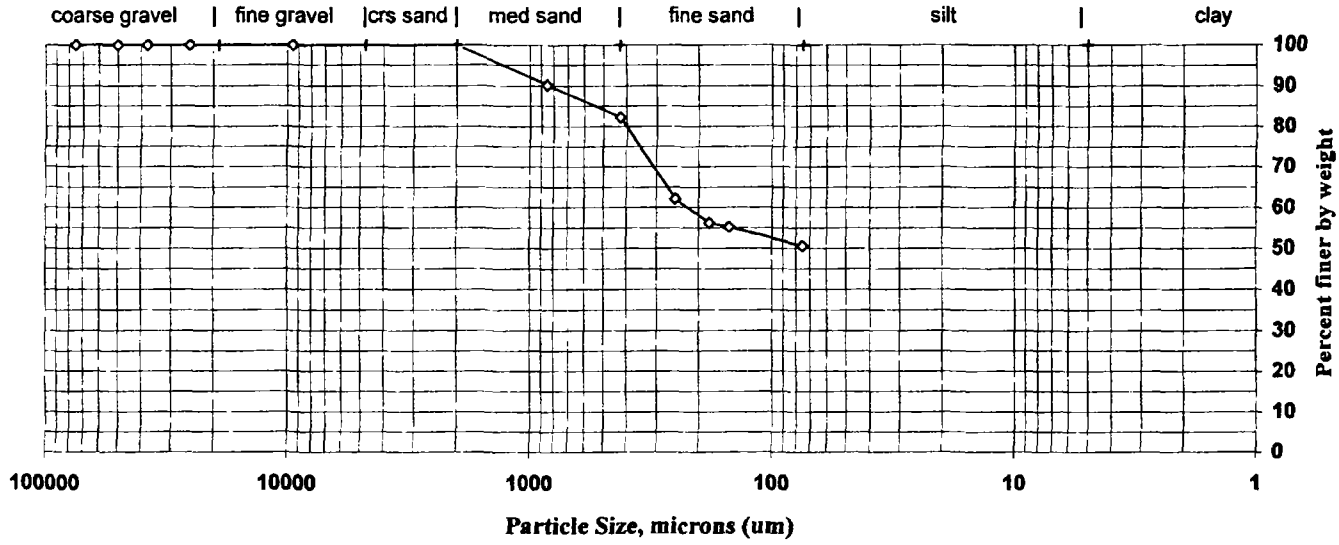
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626311 **Sample ID:** NSPSE-SQT11-0605-C

Percent Solids:	24.2%	**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65 (assumed)	**Shape (> #10):**	N/A
Non-soil mass:	138.7%	**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	90.2	9.8
#40	425	82.2	8.0
#60	250	62.1	20.1
#80	180	56.2	5.9
#100	150	55.2	1.0
#200	75	50.6	4.6
Hydrometer	0.0	0.0	50.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	49.4
Coarse Sand	0.0
Medium Sand	17.8
Fine Sand	31.6
Fines	50.6

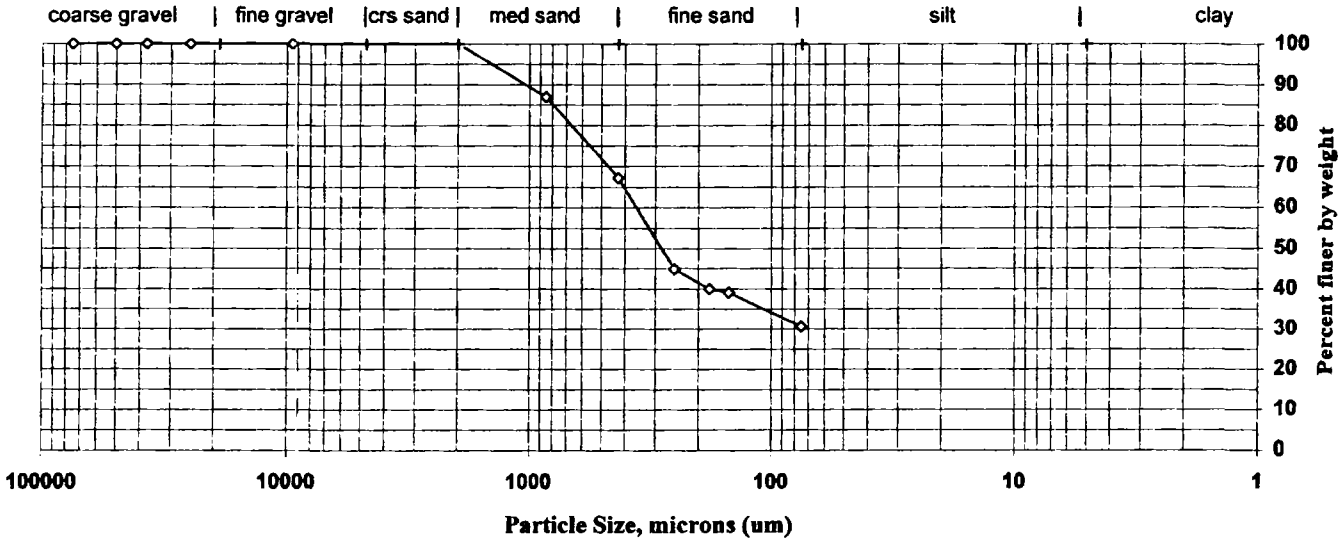
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626312 **Sample ID:** NSPSE-SQT11-0605-D

Percent Solids:	26.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	107.9%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	87.0	13.0
#40	425	67.3	19.7
#60	250	44.8	22.4
#80	180	40.0	4.9
#100	150	39.1	0.9
#200	75	30.6	8.5
Hydrometer	0.0	0.0	30.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	69.4
Coarse Sand	0.0
Medium Sand	32.7
Fine Sand	36.7
Fines	30.6

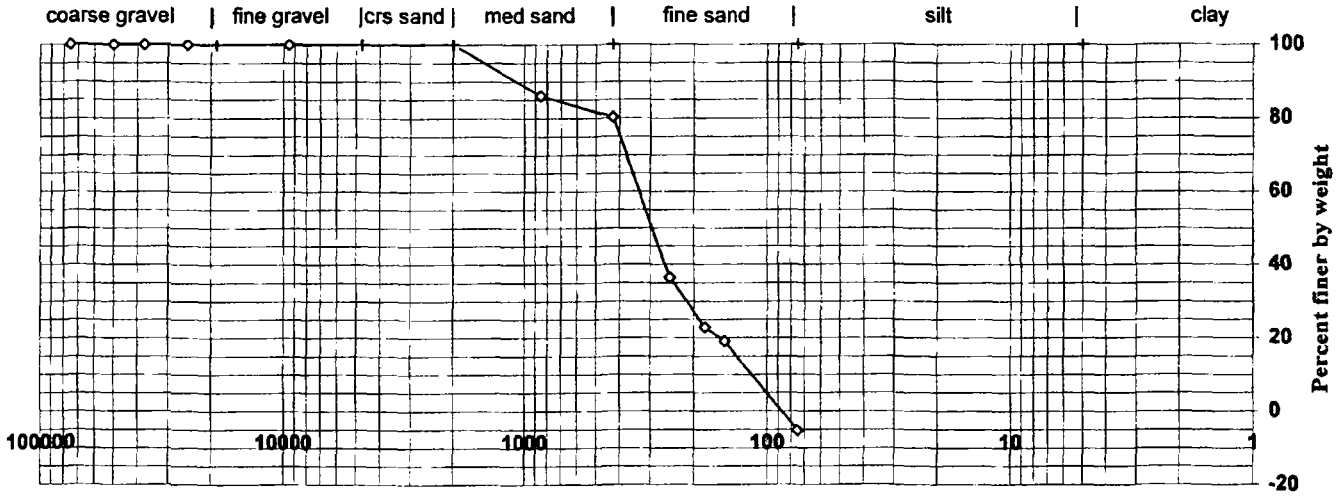
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626313 **Sample ID:** NSPSE-SQT11-0605-E

Percent Solids:	20.1%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	208.2%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	86.2	13.8
#40	425	80.4	5.8
#60	250	36.4	44.0
#80	180	22.8	13.6
#100	150	19.1	3.8
#200	75	-5.3	24.3
Hydrometer	0.0	0.0	-5.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	105.3
Coarse Sand	0.0
Medium Sand	19.6
Fine Sand	85.7
Fines	-5.3

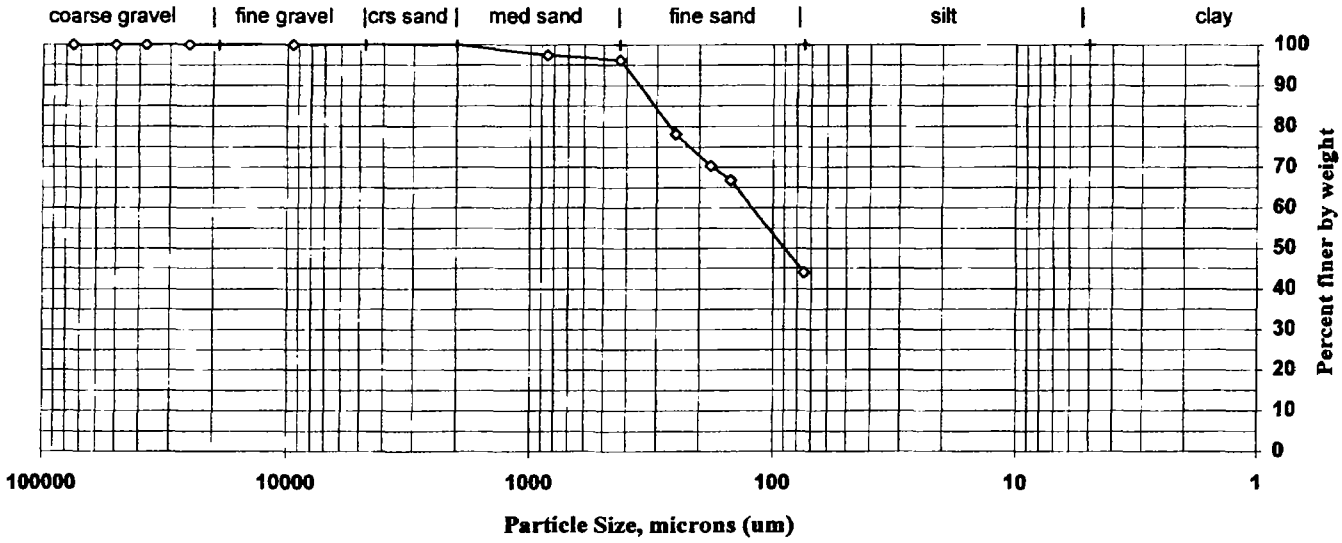
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626314 **Sample ID:** NSPSE-SQDUP12-0605

Percent Solids:	47.5%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	28.9%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	97.4	2.6
#40	425	96.2	1.2
#60	250	78.1	18.2
#80	180	70.4	7.7
#100	150	66.8	3.6
#200	75	44.0	22.8
Hydrometer	0.0	0.0	44.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	56.0
Coarse Sand	0.0
Medium Sand	3.8
Fine Sand	52.2
Fines	44.0

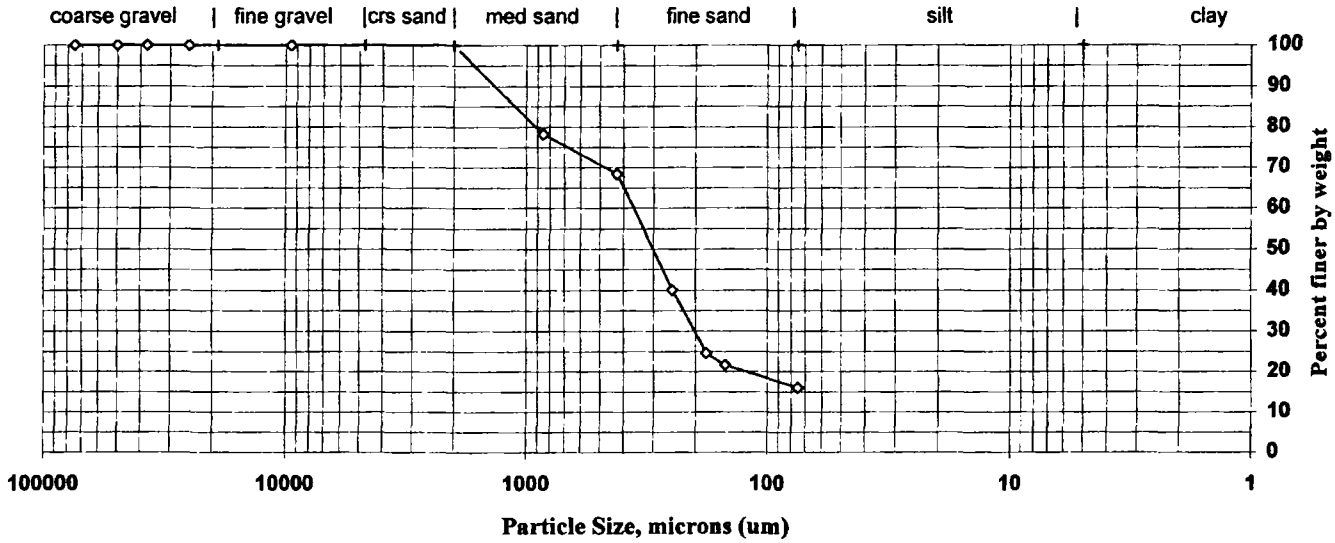
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	7-Jul-05

Lab ID: 626315 **Sample ID:** NSPSE-SQT4-0605-A

Percent Solids:	26.4%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	249.5%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	78.2	21.8
#40	425	68.5	9.8
#60	250	40.1	28.4
#80	180	24.6	15.5
#100	150	21.7	2.9
#200	75	16.1	5.6
Hydrometer	0.0	0.0	16.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	83.9
Coarse Sand	0.0
Medium Sand	31.5
Fine Sand	52.4
Fines	16.1

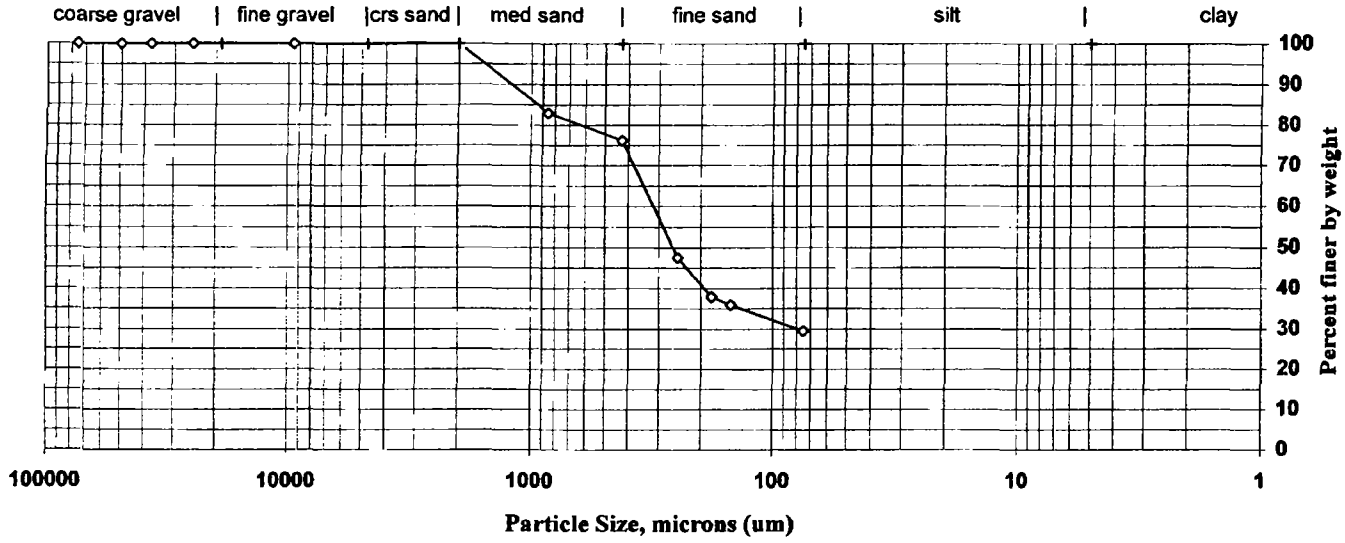
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	8-Jul-05

Lab ID: 626316 **Sample ID:** NSPSE-SQT4-0605-B

Percent Solids:	31.3%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	92.0%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	83.0	17.0
#40	425	76.2	6.8
#60	250	47.5	28.7
#80	180	37.9	9.6
#100	150	35.9	2.0
#200	75	29.5	6.4
Hydrometer	0.0	0.0	29.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	70.5
Coarse Sand	0.0
Medium Sand	23.8
Fine Sand	46.7
Fines	29.5

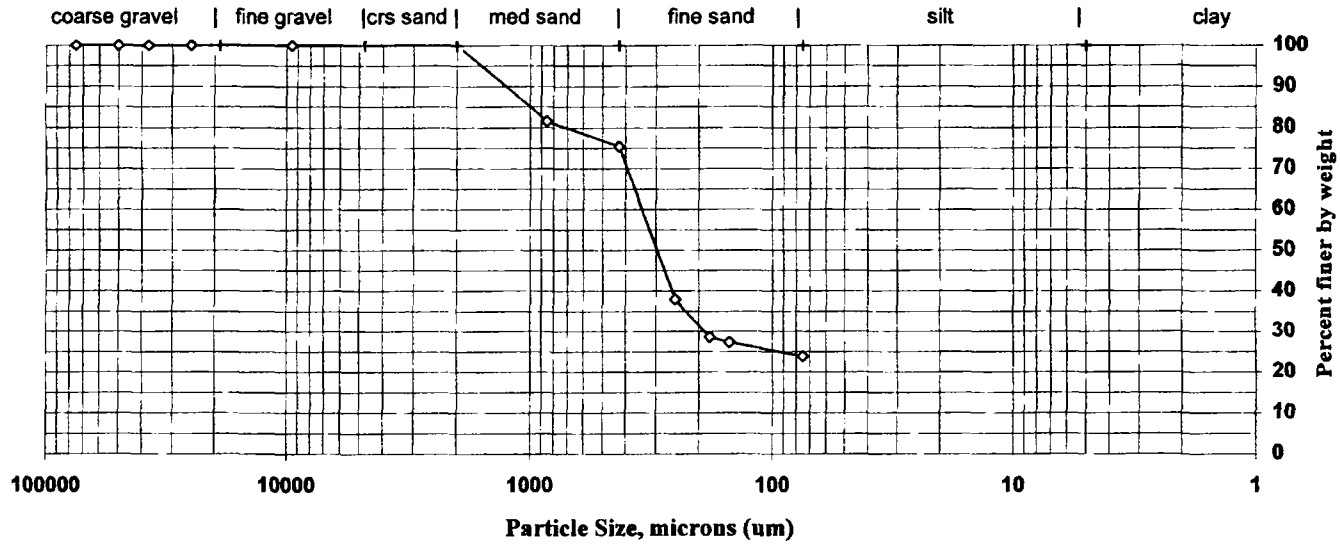
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	8-Jul-05

Lab ID: 626317 **Sample ID:** NSPSE-SQT4-0605-C

Percent Solids:	27.7%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	146.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	81.6	18.4
#40	425	75.4	6.2
#60	250	37.9	37.5
#80	180	28.5	9.4
#100	150	27.2	1.3
#200	75	23.8	3.4
Hydrometer	0.0	0.0	23.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	76.2
Coarse Sand	0.0
Medium Sand	24.6
Fine Sand	51.6
Fines	23.8

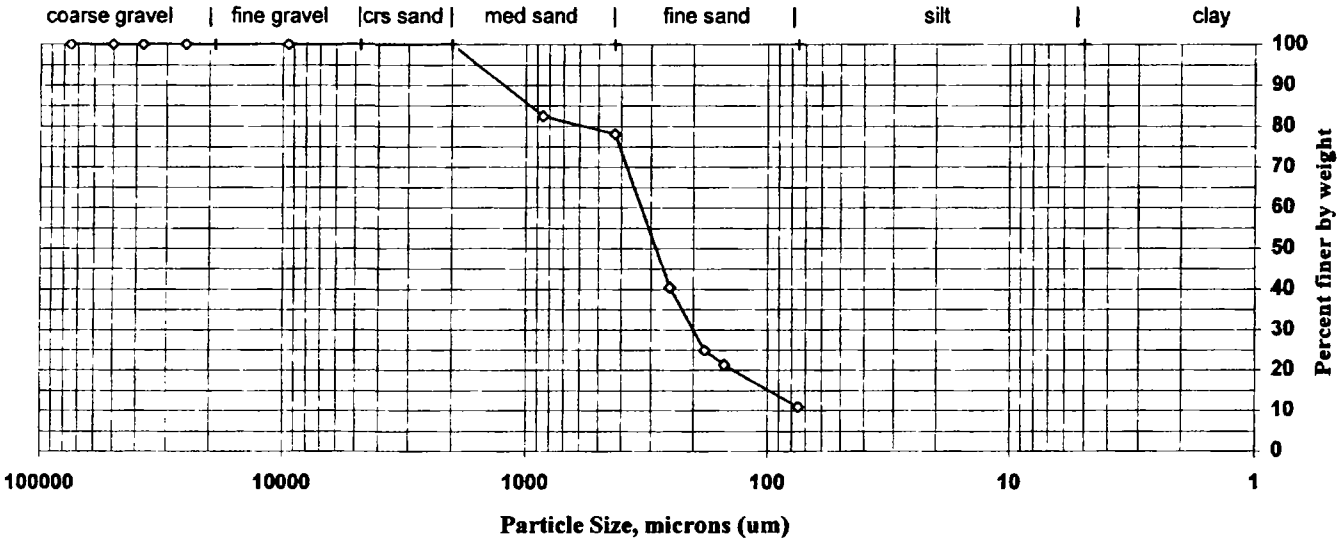
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	8-Jul-05

Lab ID: 626318 **Sample ID:** NSPSE-SQT4-0605-D

Percent Solids:	30.3%	**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65 (assumed)	**Shape (> #10):**	N/A
Non-soil mass:	180.6%	**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	82.4	17.6
#40	425	78.1	4.3
#60	250	40.5	37.6
#80	180	24.9	15.6
#100	150	21.3	3.7
#200	75	10.9	10.3
Hydrometer	0.0	0.0	10.9
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	89.1
Coarse Sand	0.0
Medium Sand	21.9
Fine Sand	67.1
Fines	10.9

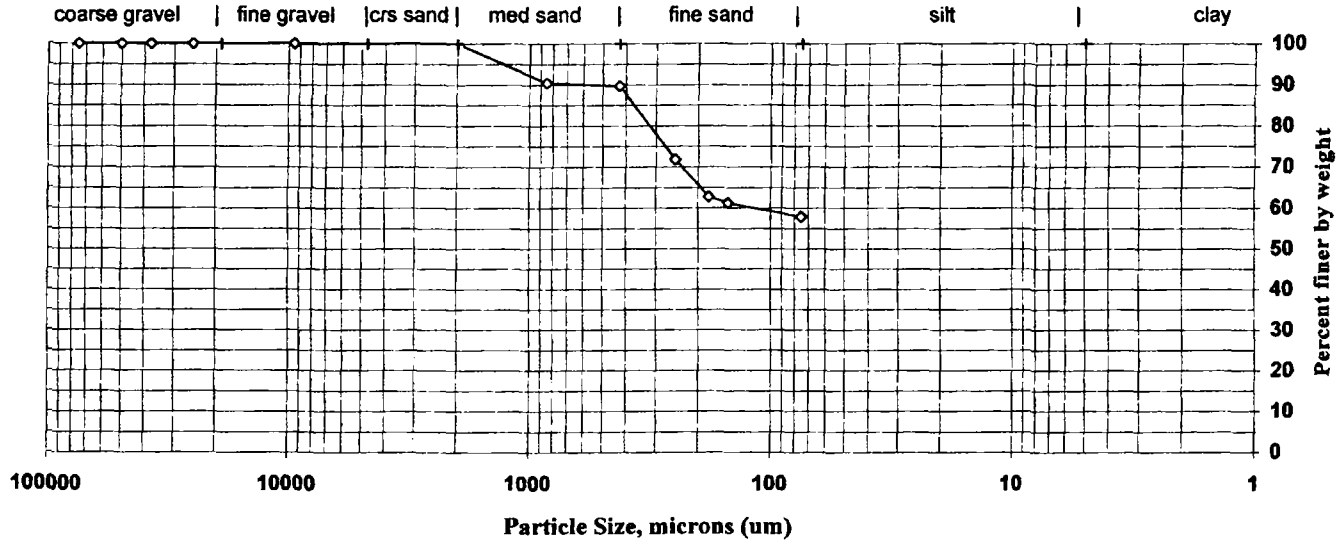
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108017
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	107971
Date Received:	23-Jun-05	**Start Date:**	6-Jul-05	**End Date:**	8-Jul-05

Lab ID: 626319 **Sample ID:** NSPSE-SQT4-0605-E

Percent Solids:	31.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	139.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	90.5	9.5
#40	425	89.8	0.8
#60	250	71.8	17.9
#80	180	62.8	9.0
#100	150	61.2	1.6
#200	75	57.9	3.3
Hydrometer	0.0	0.0	57.9
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	42.1
Coarse Sand	0.0
Medium Sand	10.2
Fine Sand	31.9
Fines	57.9

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 108036

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

July 27, 2005

Mr. Paul Sklar
URS Corporation
10200 Innovation Dr.
Suite 500
Milwaukee, WI 53226

Re: Laboratory Project No. 25000
Case: 25000; SDG: 108036

Dear Mr. Sklar:

Enclosed are the analytical results for samples received by STL Burlington on June 24, 2005. This report is sequentially numbered starting with page 0001 and ending with page 0381. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 06/24/05 ETR No: 108036		
626497	NSPSE-SQT6-0605-A	06/22/05	Soil
626498	NSPSE-SQT6-0605-B	06/22/05	Soil
626499	NSPSE-SQT6-0605-C	06/22/05	Soil
626500	NSPSE-SQT6-0605-D	06/22/05	Soil
626501	NSPSE-SQT6-0605-E	06/22/05	Soil
626502	NSPSE-SQT5-0605-A	06/22/05	Soil
626503	NSPSE-SQT5-0605-B	06/22/05	Soil
626504	NSPSE-SQT5-0605-C	06/22/05	Soil
626505	NSPSE-SQT5-0605-D	06/22/05	Soil
626506	NSPSE-SQT5-0605-E	06/22/05	Soil
626507	NSPSE-SQDUP13-0605	06/22/05	Soil
626508	NSPSE-SQDUP14-0605	06/23/05	Soil
626509	NSPSE-SQT7-0605-A	06/23/05	Soil
626510	NSPSE-SQT7-0605-B	06/23/05	Soil
626511	NSPSE-SQT7-0605-C	06/23/05	Soil
626512	NSPSE-SQT7-0605-D	06/23/05	Soil
626512MS	NSPSE-SQT7-0605-DMS	06/23/05	Soil
626512DP	NSPSE-SQT7-0605-DREP	06/23/05	Soil
626513	NSPSE-SQT7-0605-E	06/23/05	Soil

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

During the TOC analysis, sample NSPSE-SQT5-0605-D yielded area counts in at two replicates that exceeded the area count of the highest calibration standard. However, as the TOC analysis is not amenable to dilution, the results from these analyses are formally presented.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to the requirements specified in the NELAC standard. Release of the data contained in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

James Madison
Project Manager

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company:
Address: 10200 Innovation Dr Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name: Ashland/NSP Lakefront

No/Type of Containers²

ANALYSIS REQUESTED: TOC; GRAIN SIZE; AVS:SEM

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y

Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TOC	GRAIN SIZE	AVS:SEM	Lab/Sample ID (Lab Use Only)
S	6/22	1535			NSP-SE-SQT6-0605-A					X	X		
		1545			-B					X	X		
		1555			-C					X	X		
		1605			-D					X	X	X	
		1615			-E					X	X		
		1230			NSP-SE-SQT5-0605-A					X	X	X	
		1230			-B					X	X		
		1240			-C					X	X		
		1250			-D					X	X		
		1300			-E					X	X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Remarks
	6/23/05	1300		6/24/05	0930	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

TL8234-200 (12/02)

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: Same	Company: Same
Address:	Address:
Contact:	Contact:
Phone:	Phone:
Fax:	Fax:
Contract/ Quote:	

Sampler's Name: _____ Sampler's Signature: _____

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Proj. No. | Project Name | No/Type of Containers²

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TOC	GRAIN SIZE	AVS:SEM MS/MSD									Lab/Sample ID (Lab Use Only)
S	6/2	1225			NSP-SE-SQDUP13-0605					X	X	X									
	6/3	1000			NSP-SE-SQDUP14-0605					X	X										
		0935			NSP-SE-SQT7-0605-A					X	X										
		0945			-B					X	X										
		0955			-C					X	X	X									
		1005			-D					X	X		X								
↓	↓	1015			-E					X	X										

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Remarks
	6/3/05	1300		6/4/05	0930	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container VA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

Sample Data Summary Package For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT6-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626497

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 31.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		31.2	
IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	1	1600	98100	

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT6-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626498

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 35.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		35.3	
IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	1	1420	82900	

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT6-0605-C

Lab Name: STL BURLINGTON | **Contract:** 25688375 | **SDG No.:** 108036

Lab Code: STLVT | **Case No.:** 25000 | **Lab Sample ID:** 626499

Matrix: SOIL | **Client:** URSCO9 | **Date Received:** 06/24/05

% Solids: 38.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	*Solids, Percent*	07/05/05	N/A	%	1.0		38.3	
IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	1	1310	73500	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT6-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626500

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 40.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	38.5	38.5	U
IN623	Solids, Percent	07/05/05	N/A	%	1.0		40.7	
IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	1	1230	56100	

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT6-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626501

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 36.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		36.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	1	1380	84700	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626502

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 32.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	48.1	48.1	U
IN623	Solids, Percent	07/05/05	N/A	%	1.0		32.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	1	1550	468000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626503

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 27.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		27.2	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	1	1840	238000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626504

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 31.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		31.5	
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	1	1590	174000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626505

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 29.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		29.4	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	1700	489000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626506

Matrix: *SOIL* | *Client: URSCO9* | *Date Received: 06/24/05*

% Solids: 27.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		27.1	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	1850	363000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP13-0605

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 108036

Lab Code: STLVT **Case No.:** 25000 **Lab Sample ID:** 626507

Matrix: SOIL **Client:** URSCO9 **Date Received:** 06/24/05

% Solids: 28.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	55.0	55.0	U
IN623	Solids, Percent	07/05/05	N/A	%	1.0		28.8	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	1740	439000	

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQDUP14-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626508

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 70.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		70.1	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	713	6150	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626509

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 76.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		76.8	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	651	1050	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626510

Matrix: SOIL | *Client: URSCO9* | *Date Received: 06/24/05*

% Solids: 79.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		79.2	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	631	3180	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626511

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 71.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	21.6	21.6	U
IN623	Solids, Percent	07/05/05	N/A	%	1.0		71.6	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	698	3680	

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626512

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 74.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		74.2	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	674	2190	

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626513

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 81.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		81.6	
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	1	613	1660	

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WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 108036

Lab Code: STLVT **Case No.:** 25000

Matrix: SOIL **Client:** URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK0630C	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	06/30/05	BLKLK0630C
BLKLK0701C	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	07/01/05	BLKLK0701C
BLKLK0707A	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	07/07/05	BLKLK0707A
BLKSU0629A	AVS	Acid Volatile Sulfide	8.0	mg/Kg	U	1	8.0	06/29/05	BLKSU0629A

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Matrix Spike Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-CMS

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626504MS

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 31.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Matrix Spike Result Conc.	Qual.	Sample Result Conc.	Qual.	Spike Added	% Recovery*
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	425000		174000		268000	94

** Control Limit for Percent Recovery is 75-125%, unless otherwise specified.*

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Matrix Spike Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-DMS

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626512MS

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 74.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Matrix Spike Result Conc.	Qual.	Sample Result Conc.	Qual.	Spike Added	% Recovery*
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	68200		2190		65500	101

** Control Limit for Percent Recovery is 75-125%, unless otherwise specified.*

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.
NSPSE-SQT5-0605-CREP

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626504DP

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 31.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	174000		185000		6

** Control Limit for RPD is +/- 20%, unless otherwise specified.*

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.
NSPSE-SQT7-0605-DREP

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108036

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626512DP

Matrix: SOIL | Client: URSCO9 | Date Received: 06/24/05

% Solids: 72.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
IN623	Solids, Percent	07/05/05	N/A	%	74.2		72.1		3
IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	2190		5430		85

** Control Limit for RPD is +/- 20%, unless otherwise specified.*

Printed on: 07/26/05 09:22 AM

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 108036

Lab Code: STLVT **Case No.:** 25000

Matrix: SOIL **Client:** URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Recovery*
LCSLK0630C	IN847	TOC by Lloyd Kahn	06/30/05	BLKLK0630C	mg/Kg	8550	8400	102
LCSLK0701C	IN847	TOC by Lloyd Kahn	07/01/05	BLKLK0701C	mg/Kg	8590	8400	102
LCSLK0707A	IN847	TOC by Lloyd Kahn	07/07/05	BLKLK0707A	mg/Kg	8880	8400	106
LCSSU0629A	AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	352	384	92

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

Printed on: 07/26/05 09:22 AM

SEVERN TRENT STL

Sample Data Summary Package For Metals

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT6-0605-D

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108036

Matrix: Soil Client: URSCO9 Lab Sample ID: 626500

% Solids: 40.7 Date Received: 06/24/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0043	umole/g	B		0.0021	07/16/2005	01:21	PBSEM062905A
SW6010B	Copper	0.76	umole/g			0.025	07/16/2005	01:21	PBSEM062905A
SW6010B	Lead	0.095	umole/g			0.0063	07/16/2005	01:21	PBSEM062905A
SW6010B	Nickel	0.092	umole/g	B		0.022	07/16/2005	01:21	PBSEM062905A
SW6010B	Zinc	0.57	umole/g			0.040	07/16/2005	01:21	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.0015	07/07/2005	10:14	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.2	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT5-0605-A

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108036

Matrix: Soil Client: URSCO9 Lab Sample ID: 626502

% Solids: 32.2 Date Received: 06/24/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0068	umole/g	B		0.0027	07/16/2005	01:38	PBSEM062905A
SW6010B	Copper	0.60	umole/g			0.031	07/16/2005	01:38	PBSEM062905A
SW6010B	Lead	0.10	umole/g			0.0082	07/16/2005	01:38	PBSEM062905A
SW6010B	Nickel	0.036	umole/g	B		0.029	07/16/2005	01:38	PBSEM062905A
SW6010B	Zinc	0.98	umole/g			0.049	07/16/2005	01:38	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.0019	07/07/2005	10:16	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.5	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQDUP13-0605

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108036

Matrix: Soil Client: URSCO9 Lab Sample ID: 626507

% Solids: 28.8 Date Received: 06/24/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0081	umole/g	B		0.0030	07/16/2005	01:42	PBSEM062905A
SW6010B	Copper	0.66	umole/g			0.036	07/16/2005	01:42	PBSEM062905A
SW6010B	Lead	0.11	umole/g			0.0092	07/16/2005	01:42	PBSEM062905A
SW6010B	Nickel	0.043	umole/g	B		0.032	07/16/2005	01:42	PBSEM062905A
SW6010B	Zinc	1.0	umole/g			0.057	07/16/2005	01:42	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.0021	07/07/2005	10:18	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.7	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSPSE-SQT7-0605-C

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108036

Matrix: Soil Client: URSCO9 Lab Sample ID: 626511

% Solids: 71.6 Date Received: 06/24/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	01:46	PBSEM062905A
SW6010B	Copper	0.054	umole/g	B		0.014	07/16/2005	01:46	PBSEM062905A
SW6010B	Lead	0.016	umole/g			0.0036	07/16/2005	01:46	PBSEM062905A
SW6010B	Nickel	ND	umole/g	U		0.013	07/16/2005	01:46	PBSEM062905A
SW6010B	Zinc	0.11	umole/g			0.023	07/16/2005	01:46	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.00085	07/07/2005	10:20	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.67	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

PBLK1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108036

Matrix: SOIL Client: URSCO9 Lab Sample ID: PBLK1

% Solids: Date Received:

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.00089	07/16/2005	00:04	PBSEM062905A
SW6010B	Copper	ND	umole/g	U		0.011	07/16/2005	00:04	PBSEM062905A
SW6010B	Lead	ND	umole/g	U		0.0027	07/16/2005	00:04	PBSEM062905A
SW6010B	Nickel	0.015	umole/g	B		0.0094	07/16/2005	00:04	PBSEM062905A
SW6010B	Zinc	ND	umole/g	U		0.016	07/16/2005	00:04	PBSEM062905A
SW7470A	Mercury	ND	umole/g	U		0.00060	07/07/2005	09:46	PBHGSEM062905
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.25	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

SEVERN TRENT STL

Geotechnical Analysis
Sample Data Summary Package

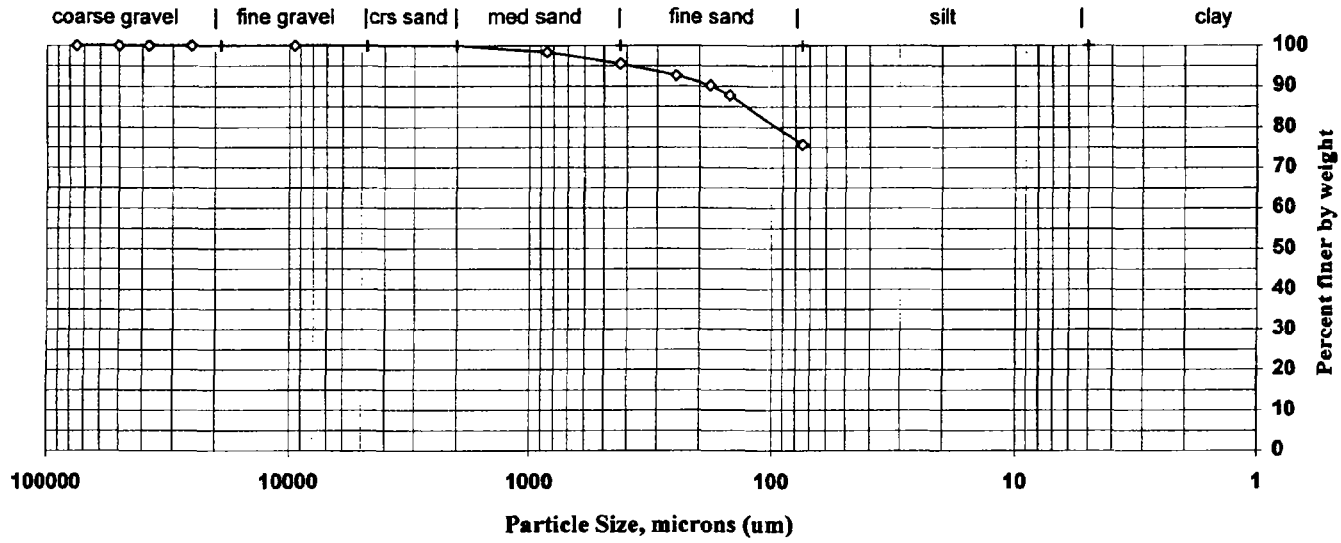
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626497 **Sample ID:** NSPSE-SQT6-0605-A

Percent Solids:	33.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	8.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.3	1.7
#40	425	95.6	2.7
#60	250	92.6	3.0
#80	180	90.2	2.5
#100	150	87.7	2.4
#200	75	75.7	12.1
Hydrometer	0.0	0.0	75.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	24.3
Coarse Sand	0.0
Medium Sand	4.4
Fine Sand	19.9
Fines	75.7

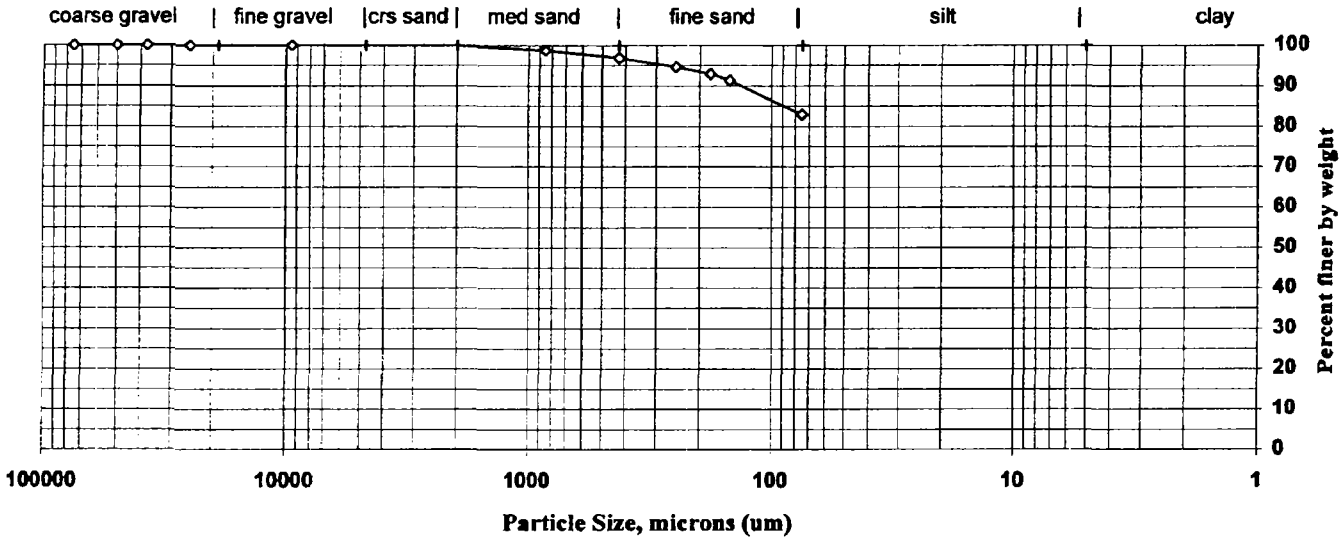
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626498 **Sample ID:** NSPSE-SQT6-0605-B

Percent Solids:	36.1%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	4.3%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.7	1.3
#40	425	96.8	1.9
#60	250	94.7	2.1
#80	180	92.9	1.8
#100	150	91.3	1.6
#200	75	82.9	8.4
Hydrometer	0.0	0.0	82.9
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	17.1
Coarse Sand	0.0
Medium Sand	3.2
Fine Sand	13.9
Fines	82.9

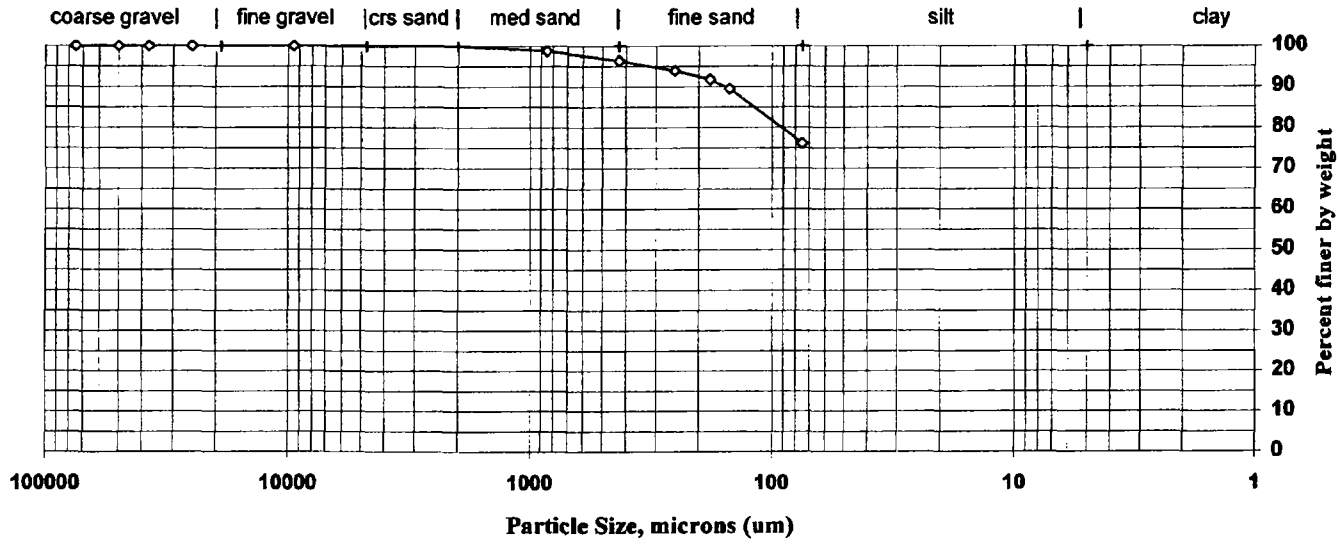
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626499 **Sample ID:** NSPSE-SQT6-0605-C

Percent Solids:	37.9%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	5.8%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.8	1.2
#40	425	96.4	2.4
#60	250	93.9	2.5
#80	180	91.8	2.1
#100	150	89.5	2.4
#200	75	76.1	13.3
Hydrometer	0.0	0.0	76.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	23.9
Coarse Sand	0.0
Medium Sand	3.6
Fine Sand	20.3
Fines	76.1

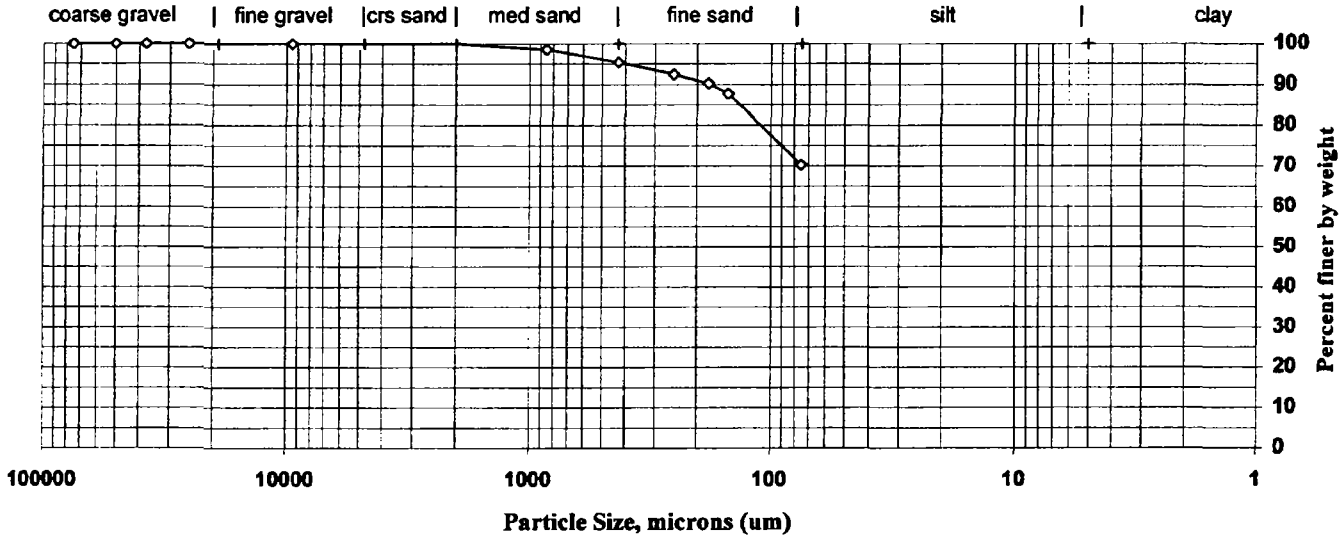
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626500 **Sample ID:** NSPSE-SQT6-0605-D

Percent Solids:	39.3%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	17.4%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.5	1.5
#40	425	95.4	3.1
#60	250	92.4	3.0
#80	180	90.3	2.2
#100	150	87.8	2.5
#200	75	70.3	17.5
Hydrometer	0.0	0.0	70.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	29.7
Coarse Sand	0.0
Medium Sand	4.6
Fine Sand	25.1
Fines	70.3

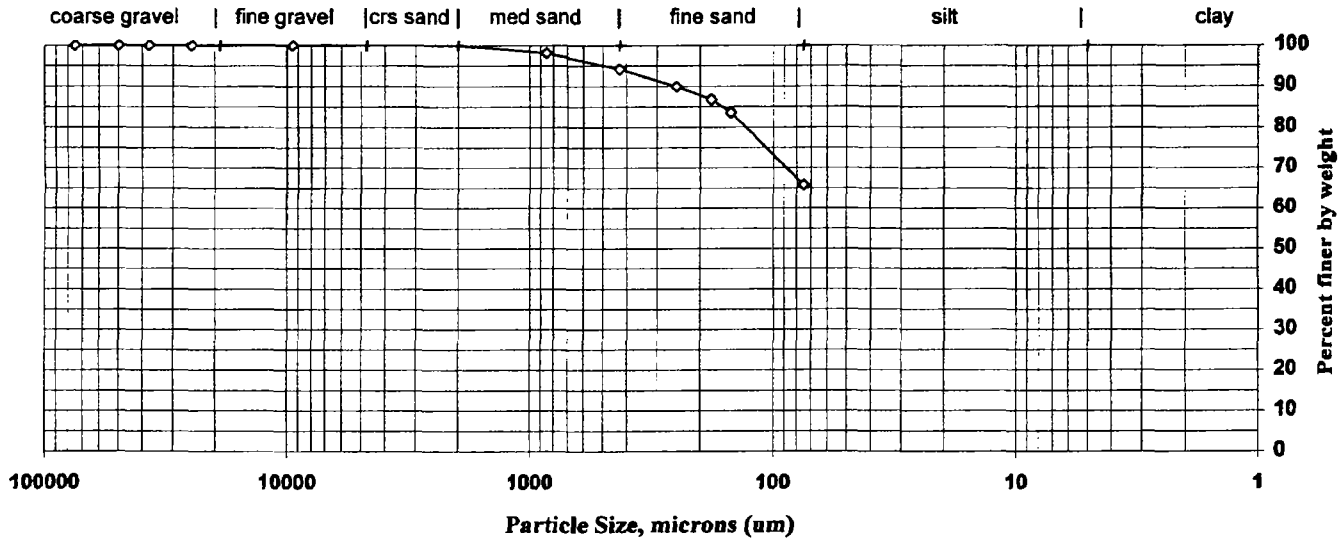
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626501 **Sample ID:** NSPSE-SQT6-0605-E

Percent Solids:	35.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	6.5%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	98.1	1.9
#40	425	94.2	3.9
#60	250	89.9	4.3
#80	180	86.8	3.2
#100	150	83.6	3.2
#200	75	65.8	17.8
Hydrometer	0.0	0.0	65.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	34.2
Coarse Sand	0.0
Medium Sand	5.8
Fine Sand	28.5
Fines	65.8

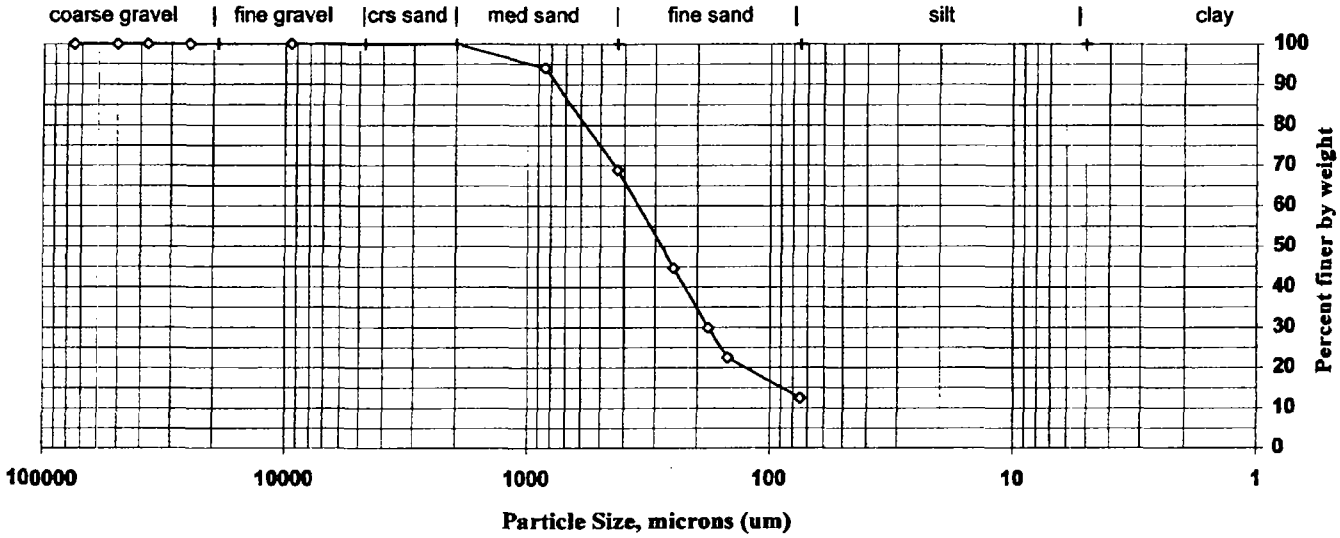
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626502 **Sample ID:** NSPSE-SQT5-0605-A

Percent Solids:	27.2%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	83.8%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	94.1	5.9
#40	425	68.9	25.2
#60	250	44.7	24.2
#80	180	29.9	14.8
#100	150	22.5	7.4
#200	75	12.5	10.0
Hydrometer	0.0	0.0	12.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	87.5
Coarse Sand	0.0
Medium Sand	31.1
Fine Sand	56.4
Fines	12.5

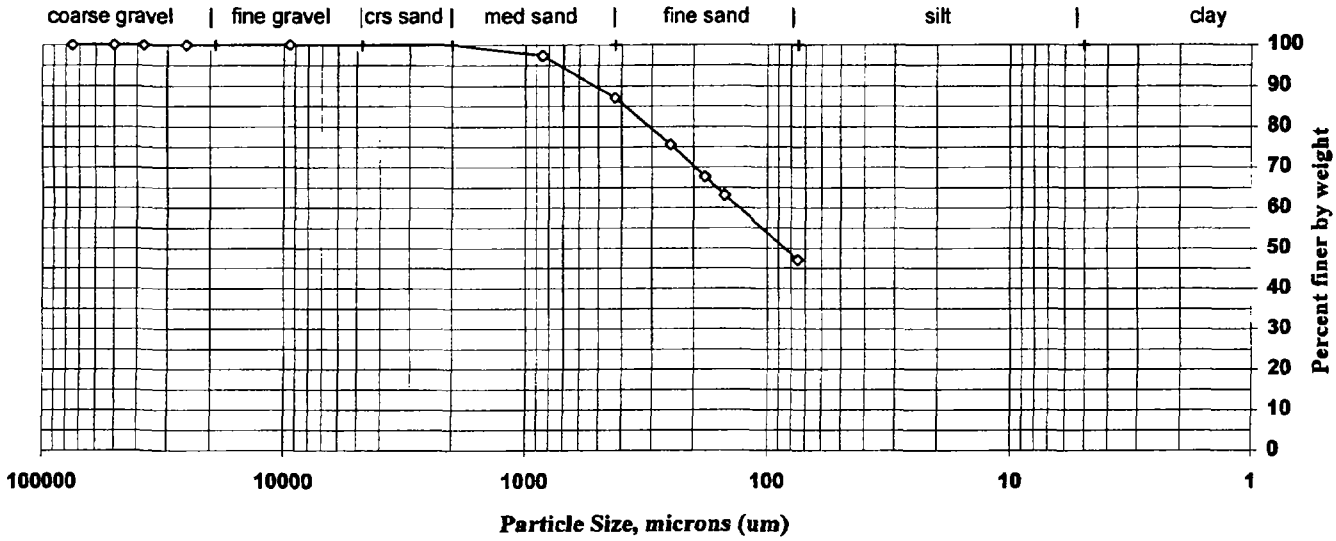
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626503 **Sample ID:** NSPSE-SQT5-0605-B

Percent Solids:	31.2%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	68.7%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	97.4	2.6
#40	425	87.1	10.3
#60	250	75.6	11.5
#80	180	67.7	7.9
#100	150	63.1	4.6
#200	75	47.1	16.0
Hydrometer	0.0	0.0	47.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	52.9
Coarse Sand	0.0
Medium Sand	12.9
Fine Sand	39.9
Fines	47.1

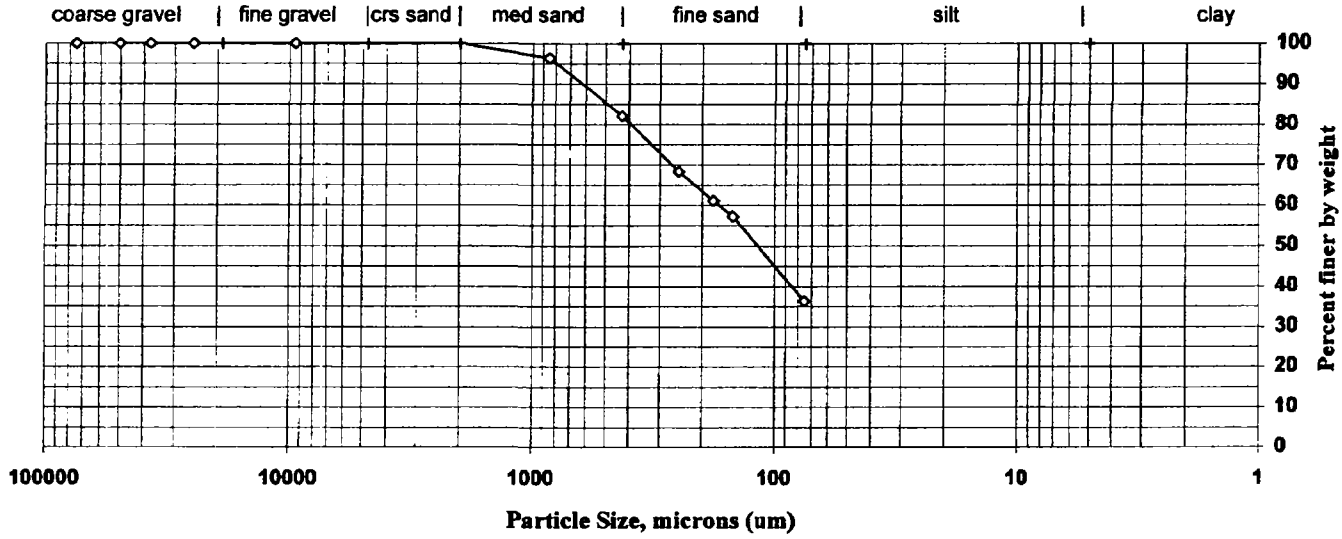
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626504 **Sample ID:** NSPSE-SQT5-0605-C

Percent Solids:	36.0%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	58.3%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	96.4	3.6
#40	425	82.1	14.2
#60	250	68.3	13.8
#80	180	61.2	7.1
#100	150	57.3	3.9
#200	75	36.4	20.9
Hydrometer	0.0	0.0	36.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	63.6
Coarse Sand	0.0
Medium Sand	17.9
Fine Sand	45.8
Fines	36.4

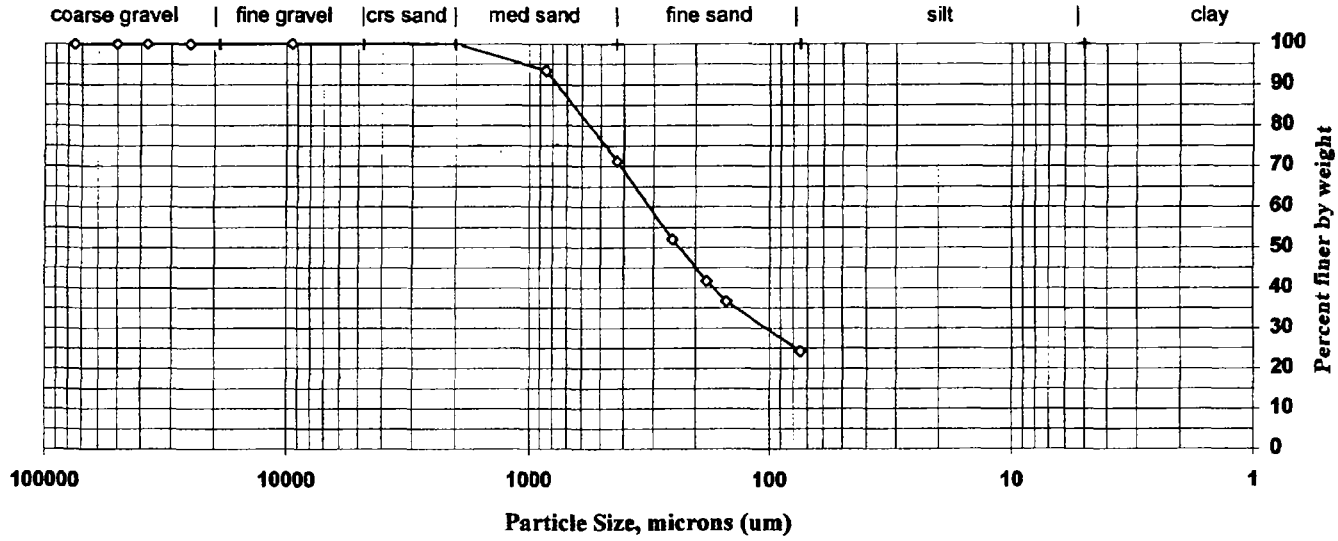
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626505 **Sample ID:** NSPSE-SQT5-0605-D

Percent Solids:	30.5%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	74.2%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	93.4	6.6
#40	425	71.2	22.1
#60	250	52.0	19.2
#80	180	41.8	10.2
#100	150	36.6	5.1
#200	75	24.2	12.4
Hydrometer	0.0	0.0	24.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	75.8
Coarse Sand	0.0
Medium Sand	28.8
Fine Sand	47.0
Fines	24.2

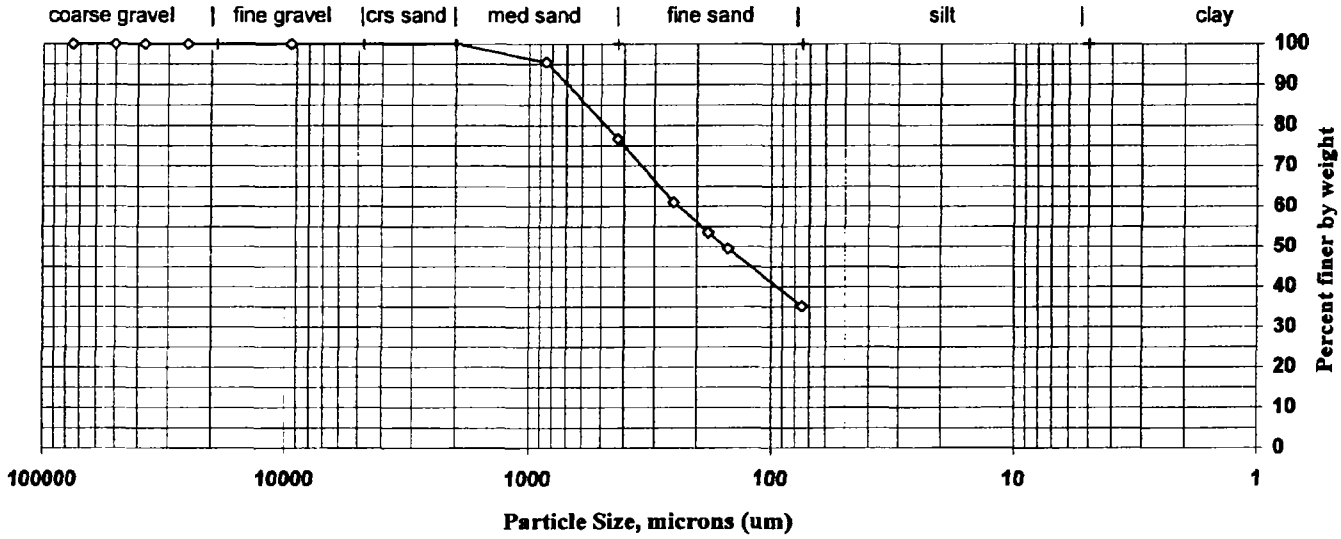
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626506 **Sample ID:** NSPSE-SQT5-0605-E

Percent Solids:	31.4%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	89.0%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	95.5	4.5
#40	425	76.7	18.8
#60	250	61.1	15.6
#80	180	53.6	7.5
#100	150	49.5	4.1
#200	75	35.2	14.3
Hydrometer	0.0	0.0	35.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	64.8
Coarse Sand	0.0
Medium Sand	23.3
Fine Sand	41.6
Fines	35.2

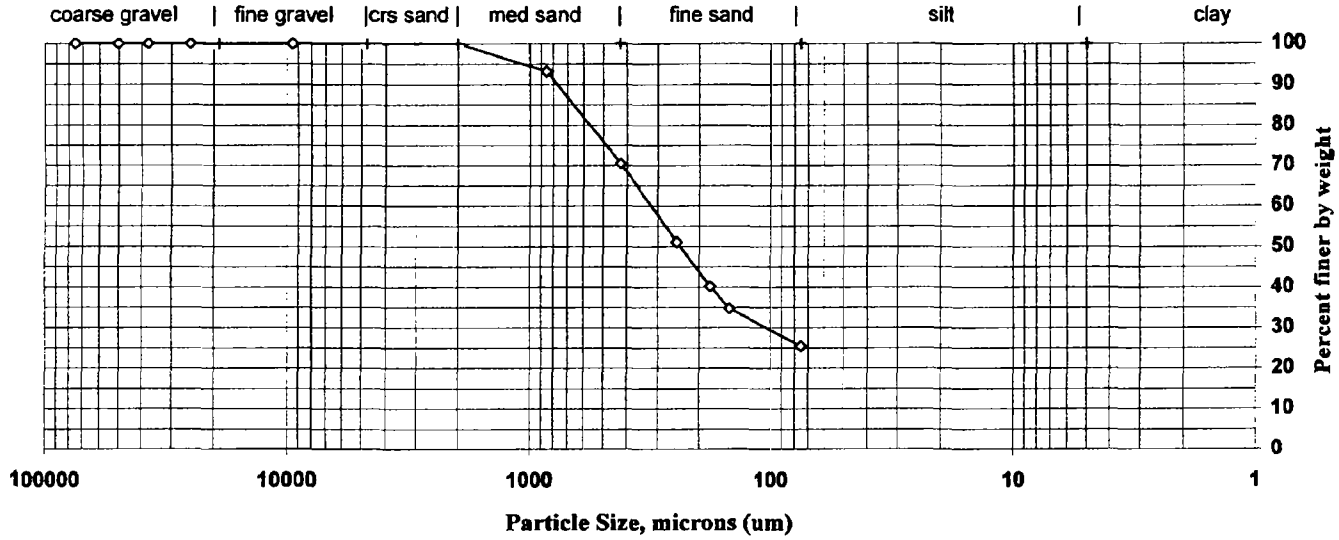
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626507 **Sample ID:** NSPSE-SQDUP13-0605

Percent Solids:	28.3%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	65.5%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	93.2	6.8
#40	425	70.6	22.6
#60	250	51.1	19.4
#80	180	40.2	10.9
#100	150	34.7	5.5
#200	75	25.4	9.3
Hydrometer	0.0	0.0	25.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	74.6
Coarse Sand	0.0
Medium Sand	29.4
Fine Sand	45.2
Fines	25.4

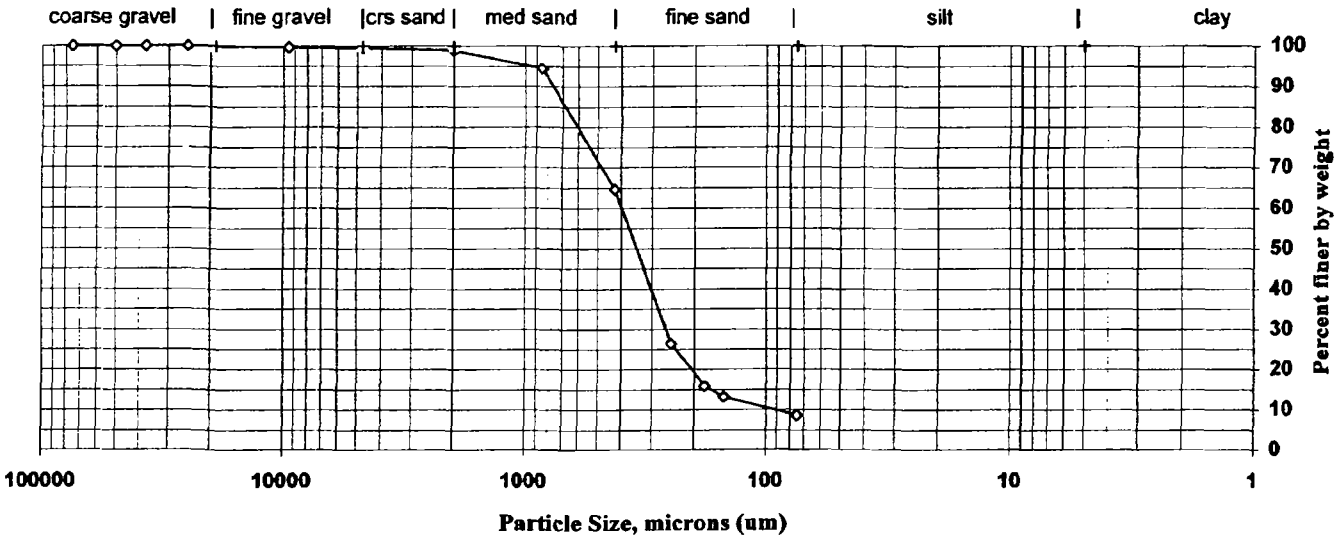
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626508 **Sample ID:** NSPSE-SQTDUP14-0605

Percent Solids:	76.0%		**Maximum Particle Size:**	19 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	3.5%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	99.7	0.3
#4	4750	99.6	0.1
#10	2000	99.0	0.6
#20	850	94.5	4.4
#40	425	64.7	29.8
#60	250	26.4	38.3
#80	180	15.9	10.5
#100	150	13.2	2.7
#200	75	8.6	4.5
Hydrometer	0.0	0.0	8.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.4
Sand	90.9
Coarse Sand	0.6
Medium Sand	34.3
Fine Sand	56.1
Fines	8.6

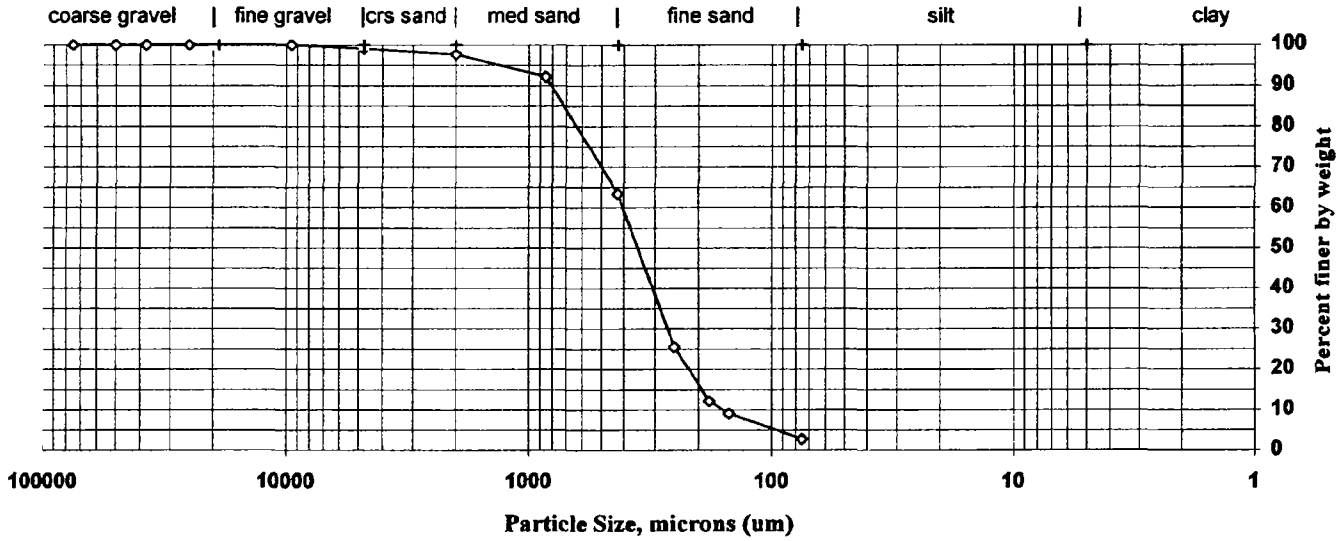
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626509 **Sample ID:** NSPSE-SQT7-0605-A

Percent Solids:	78.9%		**Maximum Particle Size:**	9.5 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.6%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.1	0.9
#10	2000	97.6	1.4
#20	850	92.1	5.5
#40	425	63.4	28.8
#60	250	25.5	37.9
#80	180	12.2	13.3
#100	150	9.1	3.1
#200	75	2.7	6.4
Hydrometer	0.0	0.0	2.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.9
Sand	96.3
Coarse Sand	1.4
Medium Sand	34.3
Fine Sand	60.6
Fines	2.7

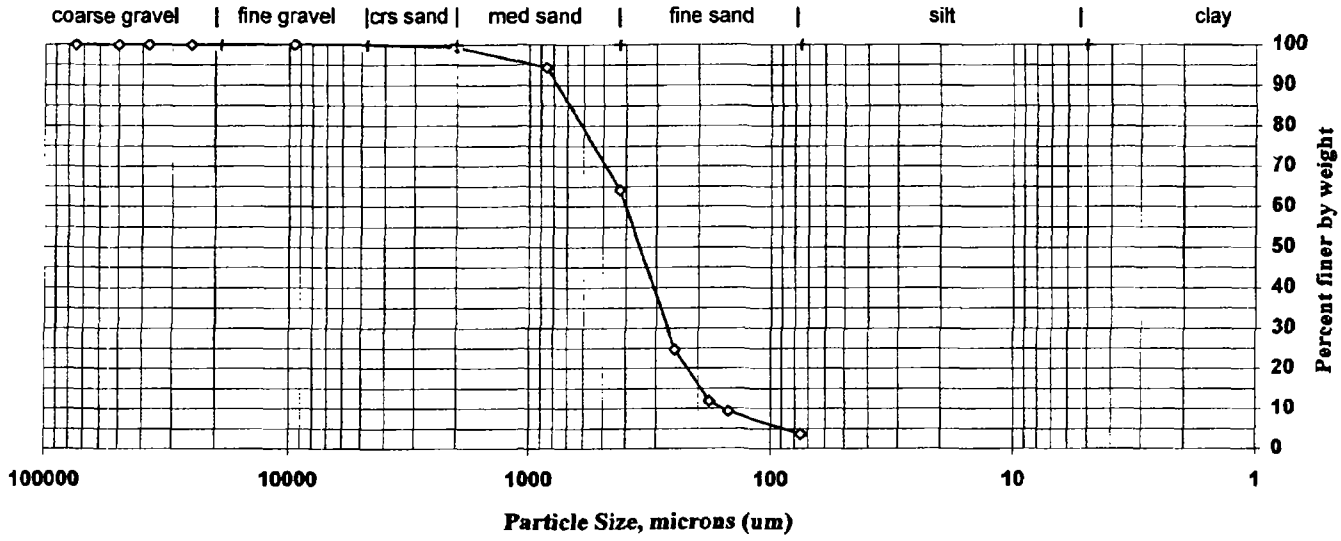
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626510 **Sample ID:** NSPSE-SQT7-0605-B

Percent Solids:	77.9%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	1.6%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.4	0.6
#20	850	94.4	5.1
#40	425	64.1	30.3
#60	250	24.7	39.4
#80	180	11.9	12.8
#100	150	9.3	2.6
#200	75	3.7	5.5
Hydrometer	0.0	0.0	3.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	96.3
Coarse Sand	0.6
Medium Sand	35.3
Fine Sand	60.4
Fines	3.7

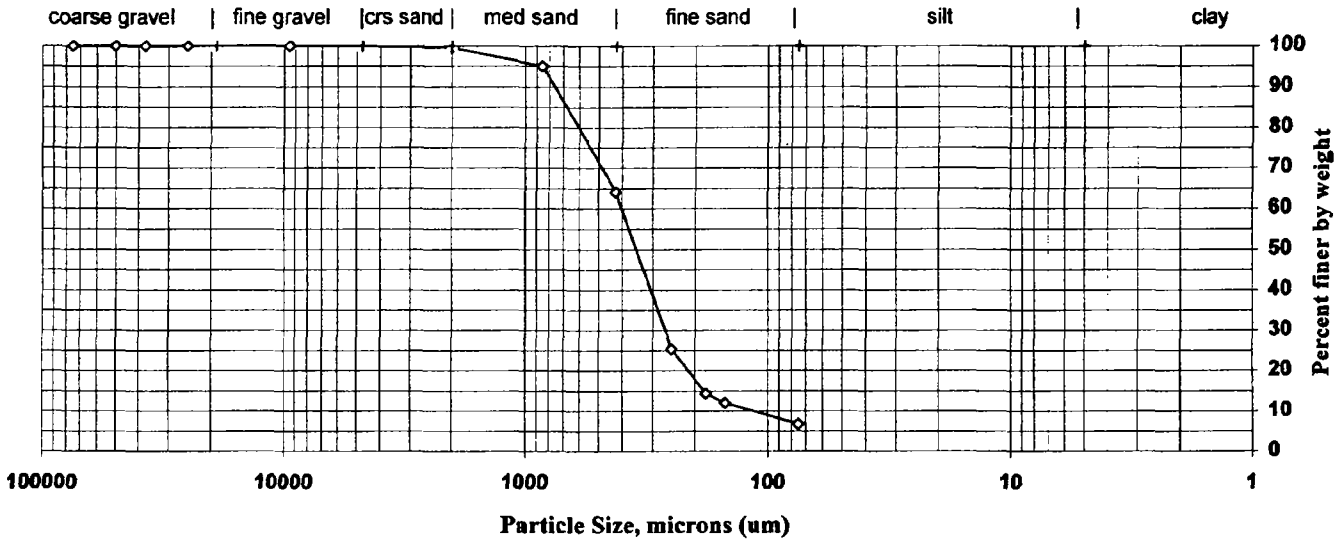
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626511 **Sample ID:** NSPSE-SQT7-0605-C

Percent Solids:	74.9%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	4.4%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.5	0.5
#20	850	95.0	4.5
#40	425	64.0	31.0
#60	250	25.3	38.7
#80	180	14.4	11.0
#100	150	12.0	2.3
#200	75	6.8	5.2
Hydrometer	0.0	0.0	6.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	93.2
Coarse Sand	0.5
Medium Sand	35.5
Fine Sand	57.3
Fines	6.8

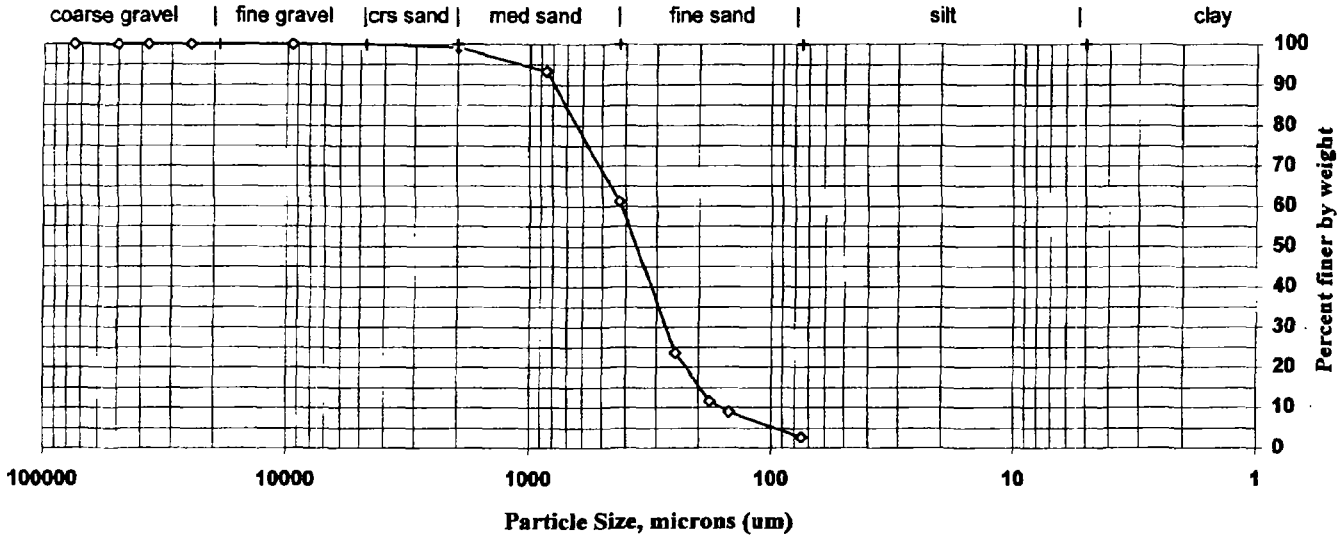
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626512 **Sample ID:** NSPSE-SQT7-0605-D

Percent Solids:	75.2%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.3%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.2	0.8
#20	850	93.3	5.9
#40	425	61.3	32.0
#60	250	23.6	37.7
#80	180	11.6	12.0
#100	150	9.0	2.6
#200	75	2.8	6.2
Hydrometer	0.0	0.0	2.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	97.2
Coarse Sand	0.8
Medium Sand	37.9
Fine Sand	58.5
Fines	2.8

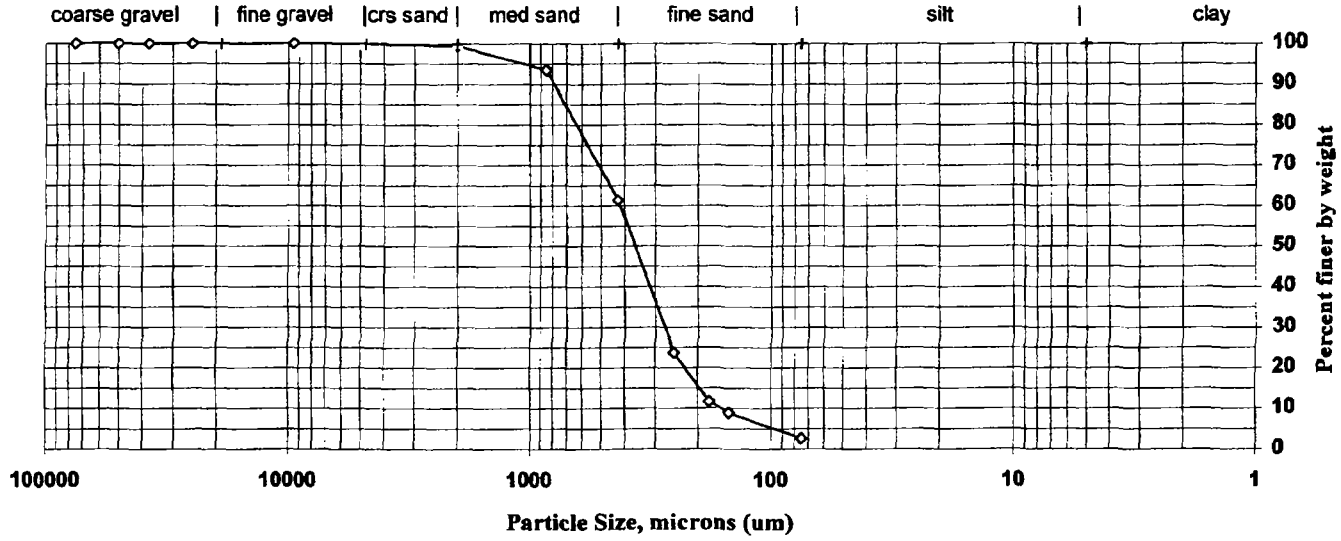
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626512DP **Sample ID:** NSPSE-SQT7-0605-DREP

Percent Solids:	76.9%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.4%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.4	0.6
#20	850	93.6	5.8
#40	425	61.4	32.2
#60	250	23.7	37.6
#80	180	11.7	12.1
#100	150	9.0	2.7
#200	75	2.7	6.3
Hydrometer	0.0	0.0	2.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	97.3
Coarse Sand	0.6
Medium Sand	38.0
Fine Sand	58.7
Fines	2.7

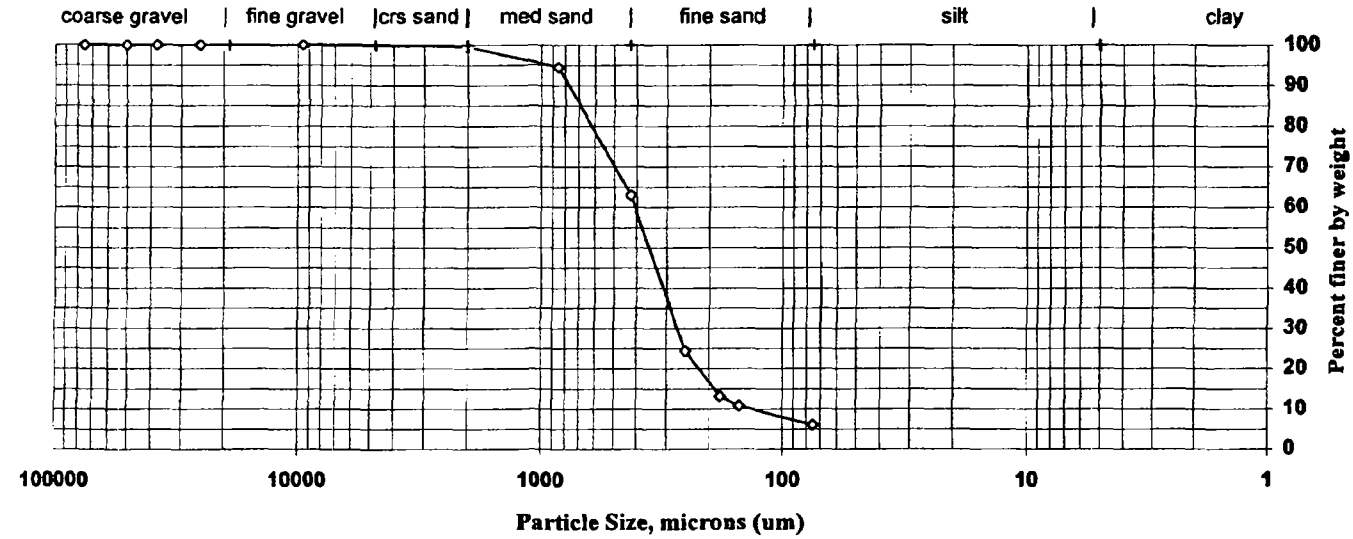
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108036
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108036
Date Received:	24-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	12-Jul-05

Lab ID: 626513 **Sample ID:** NSPSE-SQT7-0605-E

Percent Solids:	82.3%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	1.3%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.6	0.4
#20	850	94.5	5.1
#40	425	63.1	31.4
#60	250	24.4	38.7
#80	180	13.2	11.2
#100	150	10.9	2.3
#200	75	6.0	4.9
Hydrometer	0.0	0.0	6.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	94.0
Coarse Sand	0.4
Medium Sand	36.5
Fine Sand	57.0
Fines	6.0

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 108059

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

July 30, 2005

Mr. Paul Sklar
URS Corporation
10200 Innovation Dr.
Suite 500
Milwaukee, WI 53226

Re: Laboratory Project No. 25000
Case: 25000; SDG: 108059

Dear Mr. Sklar:

Enclosed are the analytical results for samples received by STL Burlington on June 28, 2005. This report is sequentially numbered starting with page 0001 and ending with page 0247. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 06/28/05 ETR No: 108059		
626646	NSP-SE-SQT8-0605-A	06/24/05	Soil
626647	NSP-SE-SQT8-0605-B	06/24/05	Soil
626648	NSP-SE-SQT8-0605-C	06/24/05	Soil
626649	NSP-SE-SQT8-0605-D	06/24/05	Soil
626650	NSP-SE-SQT8-0605-E	06/24/05	Soil
626651	NSP-SE-SQT10-0605-A	06/24/05	Soil
626652	NSP-SE-SQT10-0605-B	06/24/05	Soil
626653	NSP-SE-SQT10-0605-C	06/24/05	Soil
626654	NSP-SE-SQT10-0605-D	06/24/05	Soil
626655	NSP-SE-SQT10-0605-E	06/24/05	Soil
626655MS	NSP-SE-SQT10-0605-EMS	06/24/05	Soil
626655DP	NSPSE-SQT10-0605-EREP	06/24/05	Soil
626656	NSP-SE-SQDUP14-0605	06/24/05	Soil
626657	NSP-SE-SQDUP15-0605	06/24/05	Soil

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

Please note that the mercury analyses of sample NSP-SE-SQT10-0605-EMS and blank spike sample LCS062905A yielded spike recoveries marginally below control criteria.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to the requirements specified in the NELAC standard. Release of the data contained in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

James Madison
Project Manager

Enclosure

0001B (last alpha)

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:
Company: URS
Address: 10200 Innovation Dr. Suite 500 Milw, WI 53226
Contact: Paul Sklar
Phone: 414-831-4100
Fax: 414-831-4101
Contract/ Quote:

Invoice to:
Company:
Address:
Contact: Same
Phone:
Fax:

Sampler's Name: Dan Miracle
Sampler's Signature:

Proj. No. | Project Name | No/Type of Containers²

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Custody Seal N / Y
Intact N / Y
Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TOC	Grain Size	AVS: SEM MS/MSD	Lab/Sample ID (Lab Use Only)
S	6/24	7:35			NSP-SE-SQT8-0605-A					X	X	X	
		7:45			-B					X	X		
		7:55			-C					X	X		
		8:05			-D					X	X		
		8:15			-E					X	X		
		8:55			NSP-SE-SQT10-0605-A					X	X		
		12:05			-B					X	X		
		12:15			-C					X	X		
		12:25			-D					X	X	X	
		12:35			-E					X	X		X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/27/05	1000		6/28/05	10:35
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container V - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT **STL**

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company:
Address: 10200 Innovation Dr. Suite 500 Milw, WI 53226	Address:
Contact: Paul Sklar	Contact: Same
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name

No/Type of Containers²

ANALYSIS REQUESTED: TOC; Grain Size AVS; SEM

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TOC	Grain Size	AVS; SEM	Lab/Sample ID (Lab Use Only)
S	6/23	10⁰⁰			NSP-SE-SQDUP14-0605							X	
↓	6/24	12⁰⁰			NSP-SE-SQDUP15-0605					X	X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Remarks
	6/27/05	1000		6/28/05	10:35	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

Sample Data Summary Package
For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT8-0605-A

Lab Name: STL BURLINGTON *Contract: 25688375* SDG No.: 108059

Lab Code: STLVT Case No.: 25000 Lab Sample ID: 626646

Matrix: SOIL Client: URSCO9 Date Received: 06/28/05

% Solids: 32.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		32.7	
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	46.8	46.8	U
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	1530	309000	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT8-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626647

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 35.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		35.3	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	1420	134000	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT8-0605-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626648

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 35.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		35.5	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	1410	476000	

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT8-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626649

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 38.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		38.6	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	1300	83200	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT8-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626650

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 17.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		17.8	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	2810	452000	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT10-0605-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626651

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 68.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		68.2	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	733	11300	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT10-0605-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626652

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 72.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		72.0	
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	22.2	22.2	U
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	694	2830	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT10-0605-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626653

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 70.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		70.5	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	709	2600	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT10-0605-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626654

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 62.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		62.1	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	805	2410	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT10-0605-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626655

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 73.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		73.9	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	677	2440	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQDUP14-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626656

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 69.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		69.7	
AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	1	22.0	22.0	U

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQDUP15-0605

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626657

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 70.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	07/05/05	N/A	%	1.0		70.2	
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	1	712	1670	

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WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 108059

Lab Code: STLVT **Case No.:** 25000

Matrix: SOIL **Client:** URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK0705A	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	07/05/05	BLKLK0705A
BLKSU0629A	AVS	Acid Volatile Sulfide	8.0	mg/Kg	U	1	8.0	06/29/05	BLKSU0629A

Printed on: 07/29/05 07:34 AM

WET CHEMISTRY

Matrix Spike Sample Report Summary

Client Sample No.
NSP-SE-SQT10-0605-EMS

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626655MS

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 73.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Matrix Spike Result Conc.	Qual.	Sample Result Conc.	Qual.	Spike Added	% Rec.	Control Limit
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	106000		2440		94300	110	75-125

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WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.
NSPSE-SQT10-0605-EREP

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 108059

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 626655DP

Matrix: SOIL | Client: URSCO9 | Date Received: 06/28/05

% Solids: 73.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
IN623	Solids, Percent	07/05/05	N/A	%	73.9		73.7		0.3
IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	2440		2460		0.8

** Control Limit for RPD is +/- 20%, unless otherwise specified.*

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WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON **Contract:** 25688375 **SDG No.:** 108059

Lab Code: STLVT **Case No.:** 25000

Matrix: SOIL **Client:** URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Rec.	Control Limit
LCSLK0705A	IN847	TOC by Lloyd Kahn	07/05/05	BLKLK0705A	mg/Kg	8360	8400	100	75-125
LCSSU0629A	AVS	Acid Volatile Sulfide	06/29/05	BLKSU0629A	mg/Kg	352	384	92	85-105

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SEVERN TRENT STL

Sample Data Summary Package For Metals

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQT8-0605-A

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108059

Matrix: Soil Client: URSCO9 Lab Sample ID: 626646

% Solids: 32.7 Date Received: 06/28/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0026	07/16/2005	01:50	PBSEM0629A
SW6010B	Copper	0.17	umole/g	B		0.031	07/16/2005	01:50	PBSEM0629A
SW6010B	Lead	0.039	umole/g			0.0077	07/16/2005	01:50	PBSEM0629A
SW6010B	Nickel	0.092	umole/g	B		0.027	07/16/2005	01:50	PBSEM0629A
SW6010B	Zinc	0.33	umole/g			0.047	07/16/2005	01:50	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.0018	07/07/2005	10:26	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		1.5	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQT10-0605-B

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108059

Matrix: Soil Client: URSCO9 Lab Sample ID: 626652

% Solids: 72.0 Date Received: 06/28/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	01:59	PBSEM0629A
SW6010B	Copper	0.016	umole/g	B		0.015	07/16/2005	01:59	PBSEM0629A
SW6010B	Lead	0.0068	umole/g			0.0037	07/16/2005	01:59	PBSEM0629A
SW6010B	Nickel	ND	umole/g	U		0.013	07/16/2005	01:59	PBSEM0629A
SW6010B	Zinc	0.028	umole/g	B		0.023	07/16/2005	01:59	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.00085	07/07/2005	10:28	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.69	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQDUP14-0605

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108059

Matrix: Soil Client: URSCO9 Lab Sample ID: 626656

% Solids: 69.7 Date Received: 06/28/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0012	07/16/2005	02:03	PBSEM0629A
SW6010B	Copper	0.055	umole/g	B		0.015	07/16/2005	02:03	PBSEM0629A
SW6010B	Lead	0.014	umole/g			0.0037	07/16/2005	02:03	PBSEM0629A
SW6010B	Nickel	ND	umole/g	U		0.013	07/16/2005	02:03	PBSEM0629A
SW6010B	Zinc	0.12	umole/g			0.023	07/16/2005	02:03	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.00085	07/07/2005	10:30	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.69	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

PBLK1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 108059

Matrix: SOIL Client: URSCO9 Lab Sample ID: PBLK1

% Solids: Date Received:

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.00089	07/16/2005	00:04	PBSEM0629A
SW6010B	Copper	ND	umole/g	U		0.011	07/16/2005	00:04	PBSEM0629A
SW6010B	Lead	ND	umole/g	U		0.0027	07/16/2005	00:04	PBSEM0629A
SW6010B	Nickel	0.015	umole/g	B		0.0094	07/16/2005	00:04	PBSEM0629A
SW6010B	Zinc	ND	umole/g	U		0.016	07/16/2005	00:04	PBSEM0629A
SW7470A	Mercury	ND	umole/g	U		0.00060	07/07/2005	09:46	PBHGW0629A
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.25	06/29/2005	1055	BLKSU0629A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

SEVERN TRENT STL

Geotechnical Analysis
Sample Data Summary Package

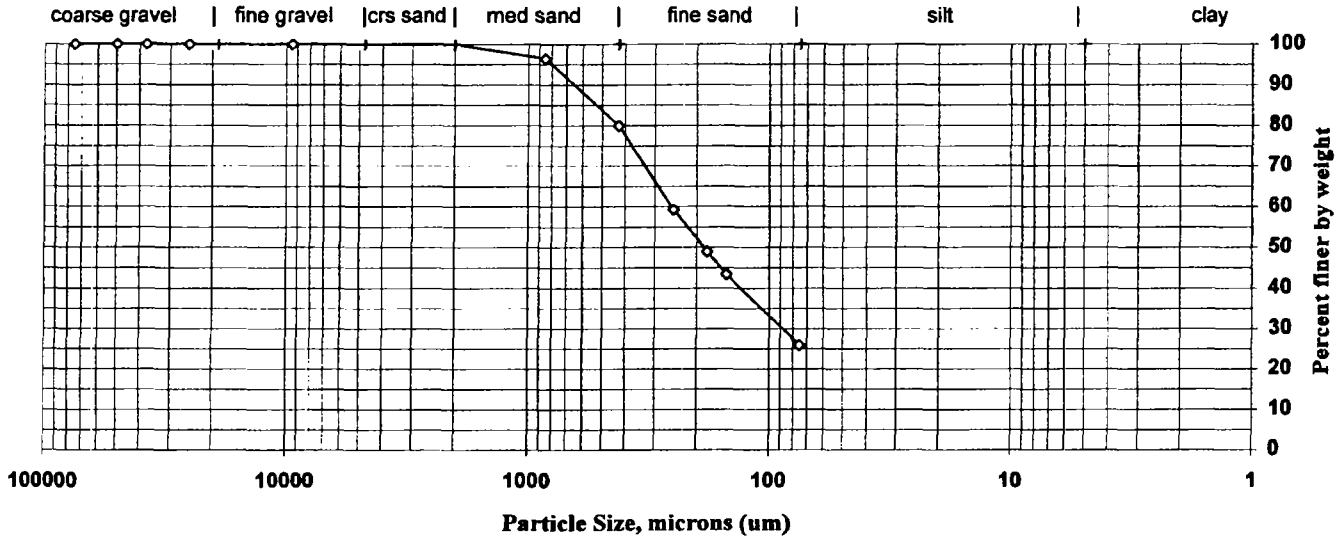
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626646 **Sample ID:** NSP-SE-SQT8-0605-A

Percent Solids:	32.6%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	76.1%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	96.5	3.5
#40	425	79.9	16.6
#60	250	59.2	20.6
#80	180	48.9	10.3
#100	150	43.4	5.5
#200	75	25.9	17.5
Hydrometer	0.0	0.0	25.9
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	74.1
Coarse Sand	0.0
Medium Sand	20.1
Fine Sand	54.0
Fines	25.9

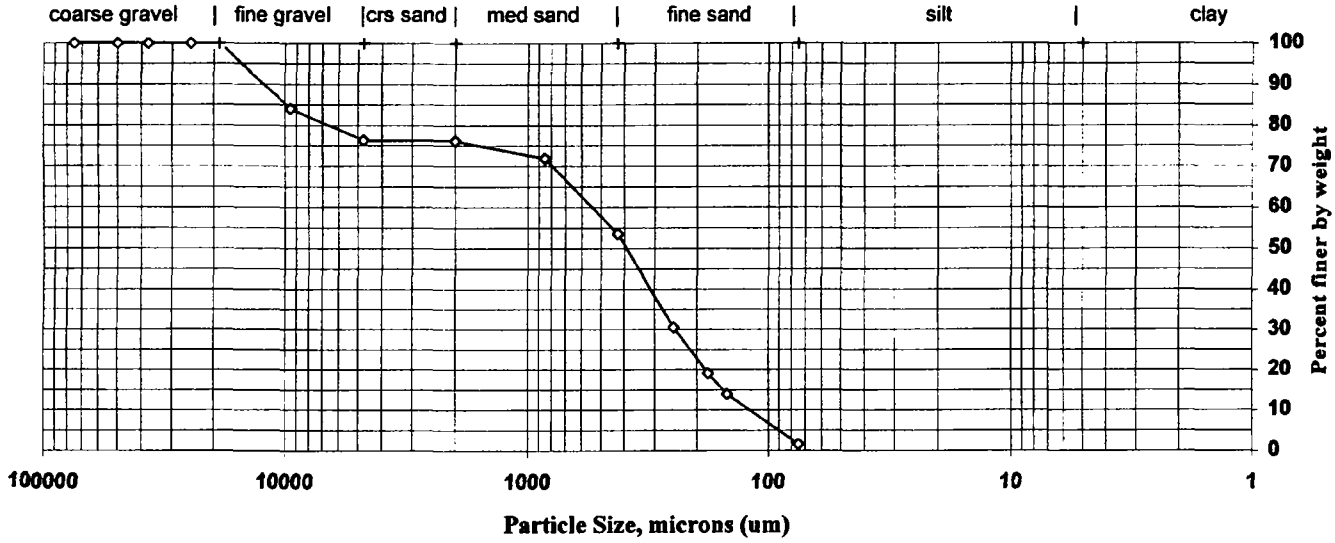
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626647 **Sample ID:** NSP-SE-SQT8-0605-B

Percent Solids:	43.4%		**Maximum Particle Size:**	19 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	22.4%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	84.1	15.9
#4	4750	76.3	7.8
#10	2000	76.1	0.2
#20	850	71.9	4.2
#40	425	53.5	18.4
#60	250	30.5	23.1
#80	180	19.1	11.4
#100	150	13.9	5.2
#200	75	1.6	12.3
Hydrometer	0.0	0.0	1.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	23.7
Sand	74.7
Coarse Sand	0.2
Medium Sand	22.6
Fine Sand	52.0
Fines	1.6

Particle Size of Soils by ASTM D422

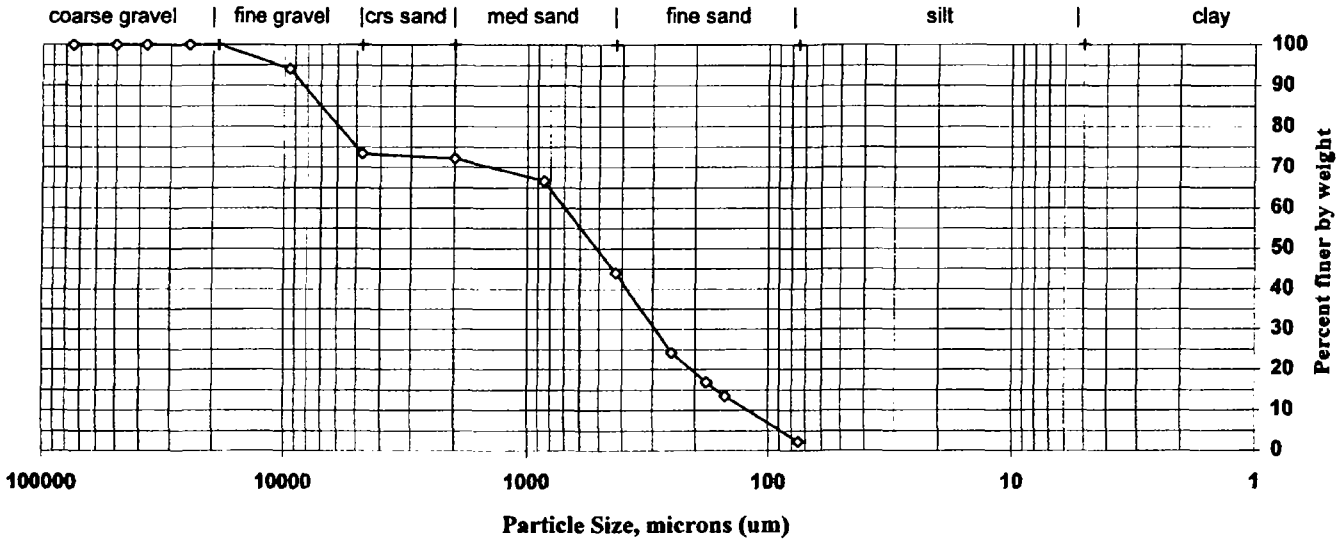
Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626648 **Sample ID:** NSP-SE-SQT8-0605-C

Percent Solids: 30.0%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 51.9%

Maximum Particle Size: 19 mm
Shape (> #10): subangular
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	94.1	5.9
#4	4750	73.5	20.7
#10	2000	72.2	1.3
#20	850	66.7	5.5
#40	425	44.0	22.7
#60	250	24.3	19.7
#80	180	16.9	7.4
#100	150	13.5	3.4
#200	75	2.2	11.2
Hydrometer	0.0	0.0	2.2
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	26.5
Sand	71.2
Coarse Sand	1.3
Medium Sand	28.2
Fine Sand	41.7
Fines	2.2

Particle Size of Soils by ASTM D422

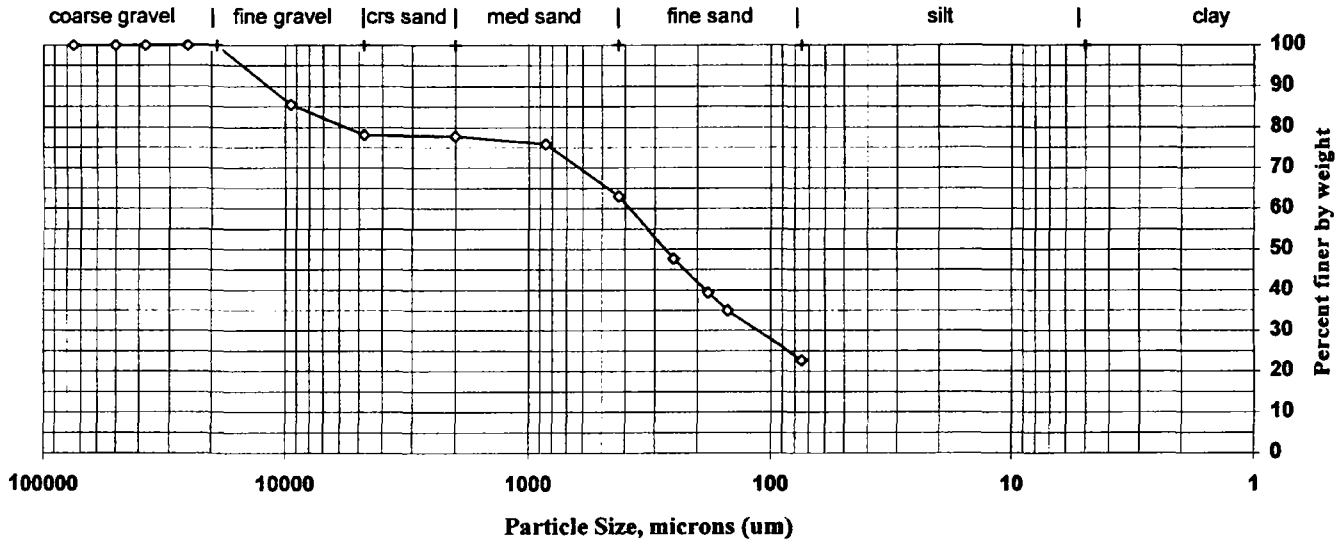
Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626649 **Sample ID:** NSP-SE-SQT8-0605-D

Percent Solids: 52.7%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 11.6%

Maximum Particle Size: 19 mm
Shape (> #10): subangular
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	85.5	14.5
#4	4750	78.1	7.4
#10	2000	77.8	0.2
#20	850	75.8	2.0
#40	425	63.0	12.8
#60	250	47.7	15.4
#80	180	39.3	8.4
#100	150	35.0	4.3
#200	75	22.8	12.2
Hydrometer	0.0	0.0	22.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	21.9
Sand	55.3
Coarse Sand	0.2
Medium Sand	14.8
Fine Sand	40.3
Fines	22.8

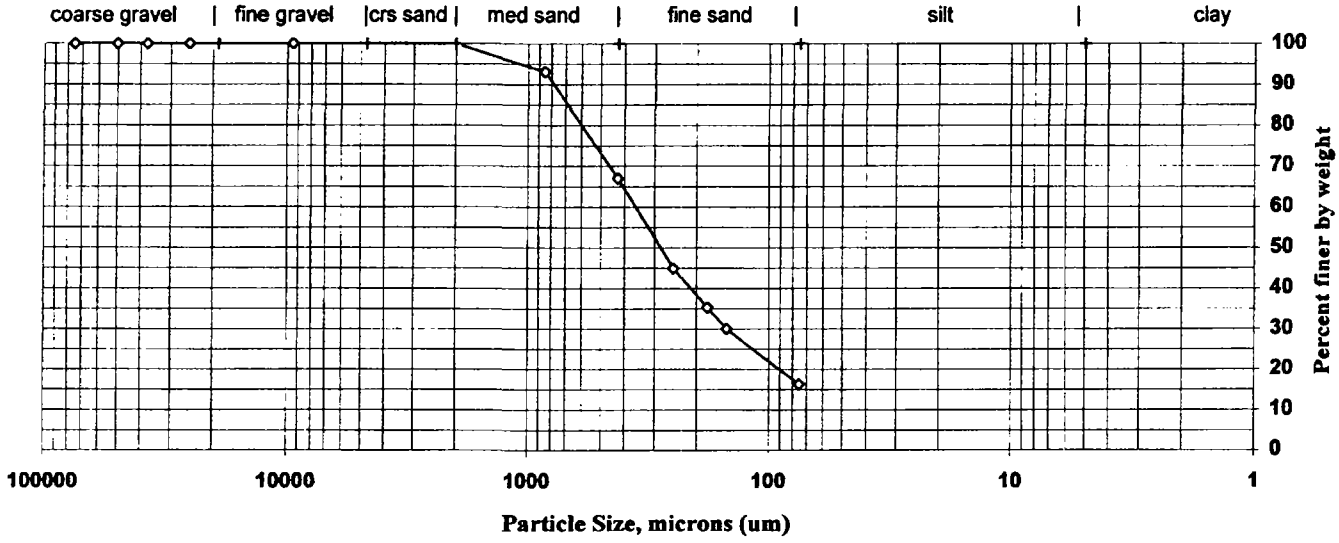
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626650 **Sample ID:** NSP-SE-SQT8-0605-E

Percent Solids:	21.4%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	187.7%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	93.2	6.8
#40	425	67.0	26.1
#60	250	44.9	22.1
#80	180	35.3	9.6
#100	150	30.0	5.3
#200	75	16.3	13.7
Hydrometer	0.0	0.0	16.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	83.7
Coarse Sand	0.0
Medium Sand	33.0
Fine Sand	50.8
Fines	16.3

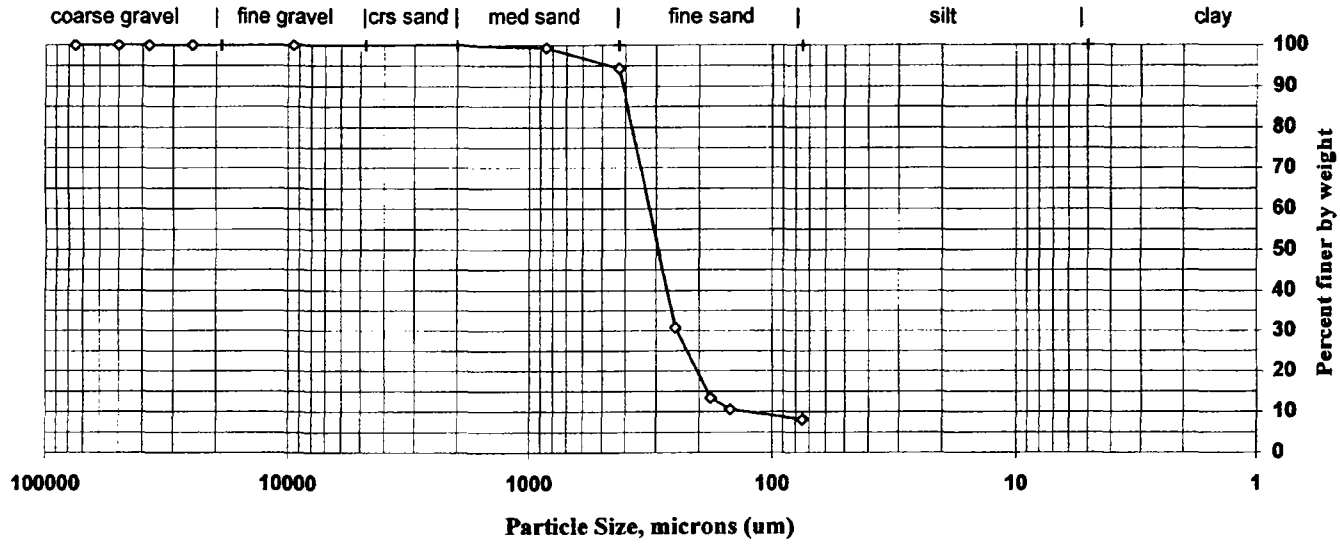
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626651 **Sample ID:** NSP-SE-SQT10-0605-A

Percent Solids:	78.3%		**Maximum Particle Size:**	Med sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	N/A
Non-soil mass:	0.4%		**Hardness (> #10):**	N/A



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.3	0.7
#40	425	94.3	5.0
#60	250	30.7	63.6
#80	180	13.4	17.3
#100	150	10.6	2.8
#200	75	8.1	2.5
Hydrometer	0.0	0.0	8.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	91.9
Coarse Sand	0.0
Medium Sand	5.7
Fine Sand	86.3
Fines	8.1

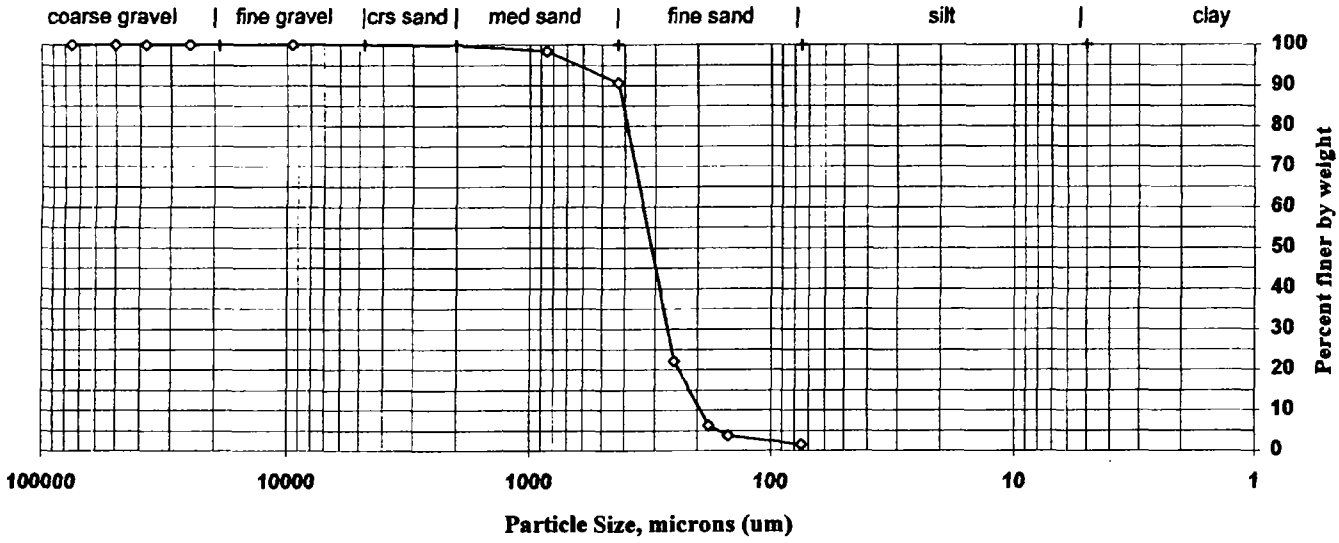
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626652 **Sample ID:** NSP-SE-SQT10-0605-B

Percent Solids:	72.2%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.8%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.8	0.2
#20	850	98.4	1.4
#40	425	90.6	7.8
#60	250	22.2	68.5
#80	180	6.3	15.8
#100	150	3.7	2.6
#200	75	1.6	2.2
Hydrometer	0.0	0.0	1.6
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	98.4
Coarse Sand	0.2
Medium Sand	9.2
Fine Sand	89.1
Fines	1.6

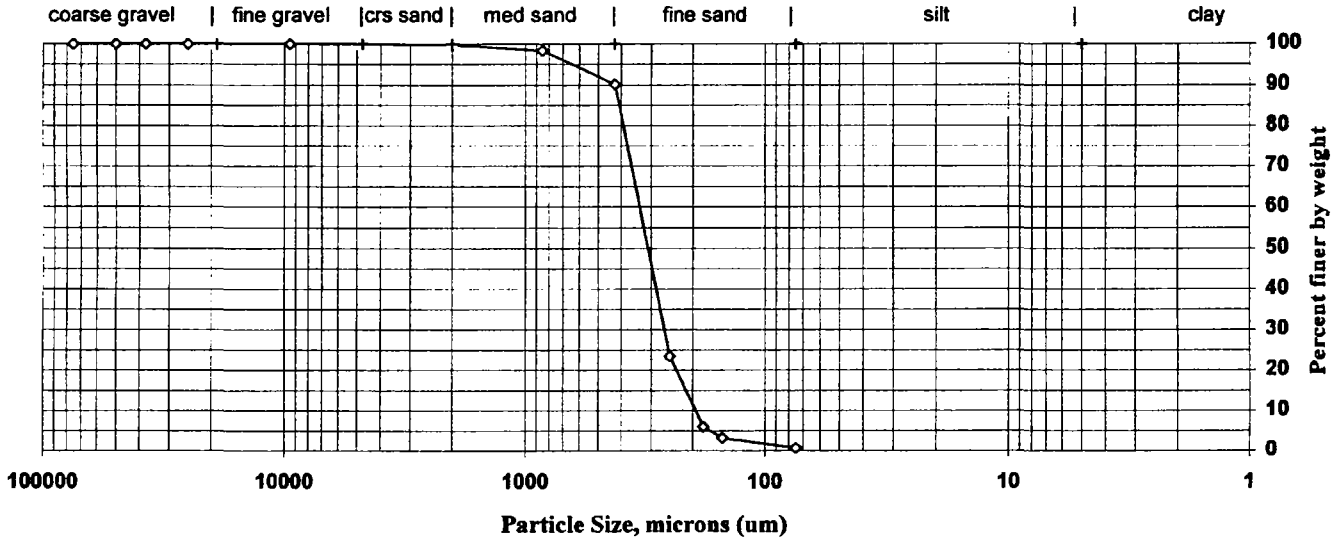
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626653 **Sample ID:** NSP-SE-SQT10-0605-C

Percent Solids:	70.7%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.5%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.8	0.2
#20	850	98.3	1.5
#40	425	90.2	8.2
#60	250	23.5	66.7
#80	180	5.9	17.6
#100	150	3.2	2.8
#200	75	0.7	2.5
Hydrometer	0.0	0.0	0.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	99.3
Coarse Sand	0.2
Medium Sand	9.6
Fine Sand	89.5
Fines	0.7

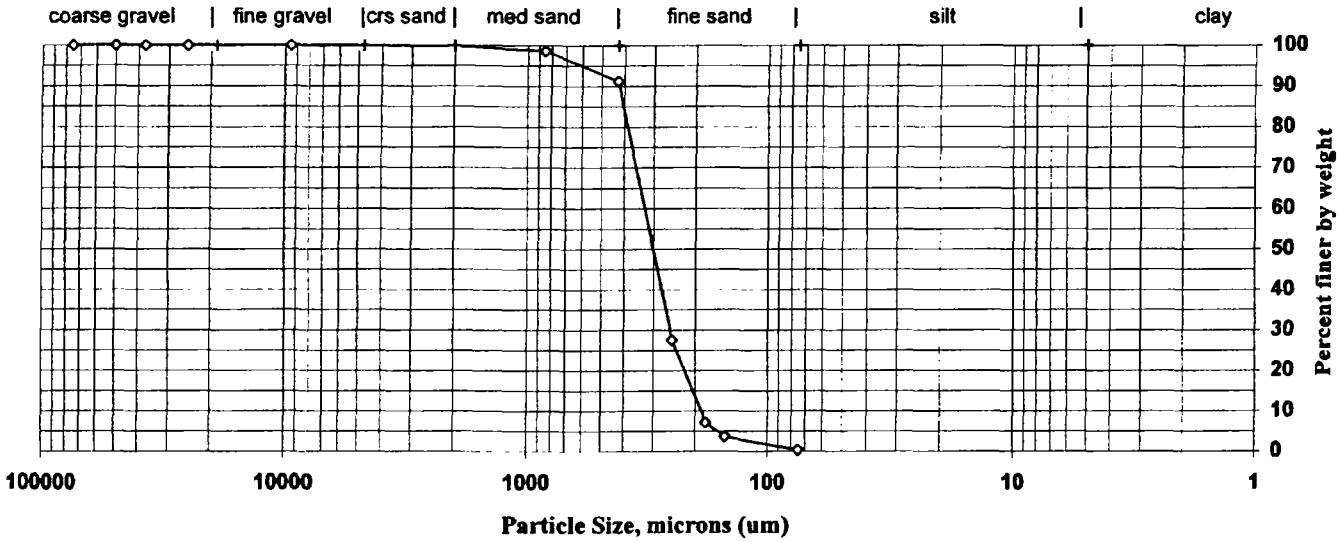
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626654 **Sample ID:** NSP-SE-SQT10-0605-D

Percent Solids:	71.2%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	1.1%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.8	0.2
#20	850	98.7	1.1
#40	425	91.2	7.5
#60	250	27.5	63.7
#80	180	7.1	20.4
#100	150	3.6	3.5
#200	75	0.3	3.3
Hydrometer	0.0	0.0	0.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	99.7
Coarse Sand	0.2
Medium Sand	8.6
Fine Sand	90.9
Fines	0.3

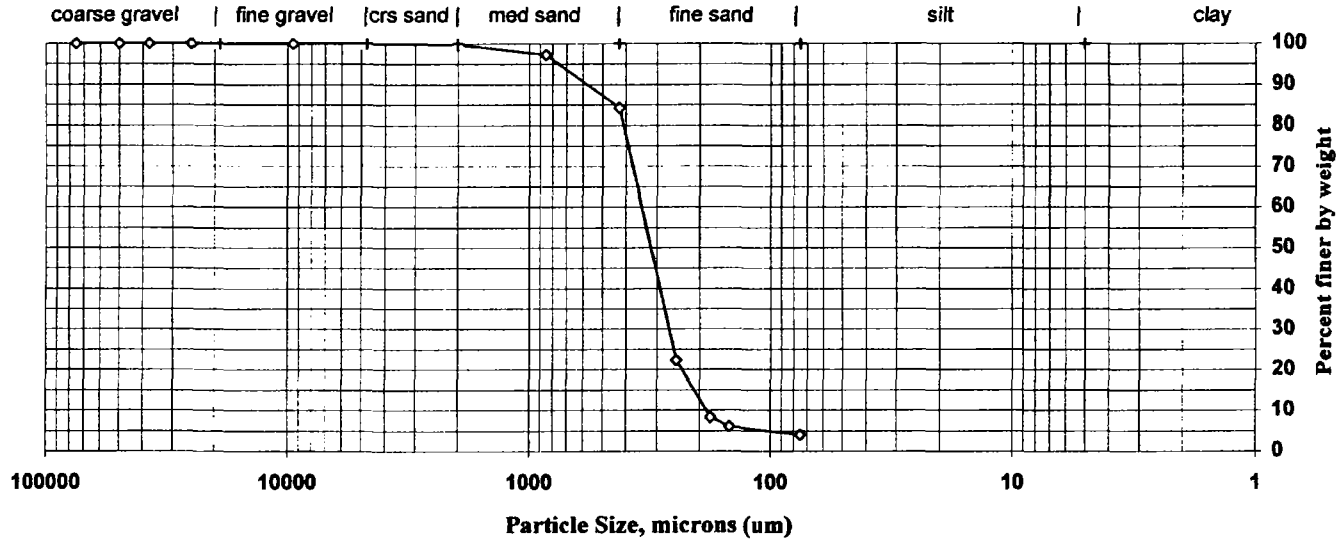
Particle Size of Soils by ASTM D422

Sample preparation method: D2217

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626655 **Sample ID:** NSP-SE-SQT10-0605-E

Percent Solids:	76.4%		**Maximum Particle Size:**	Crs sand
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	2.4%		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.8	0.2
#20	850	97.3	2.5
#40	425	84.2	13.0
#60	250	22.4	61.8
#80	180	8.3	14.1
#100	150	6.1	2.2
#200	75	4.1	2.0
Hydrometer	0.0	0.0	4.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	95.9
Coarse Sand	0.2
Medium Sand	15.6
Fine Sand	80.2
Fines	4.1

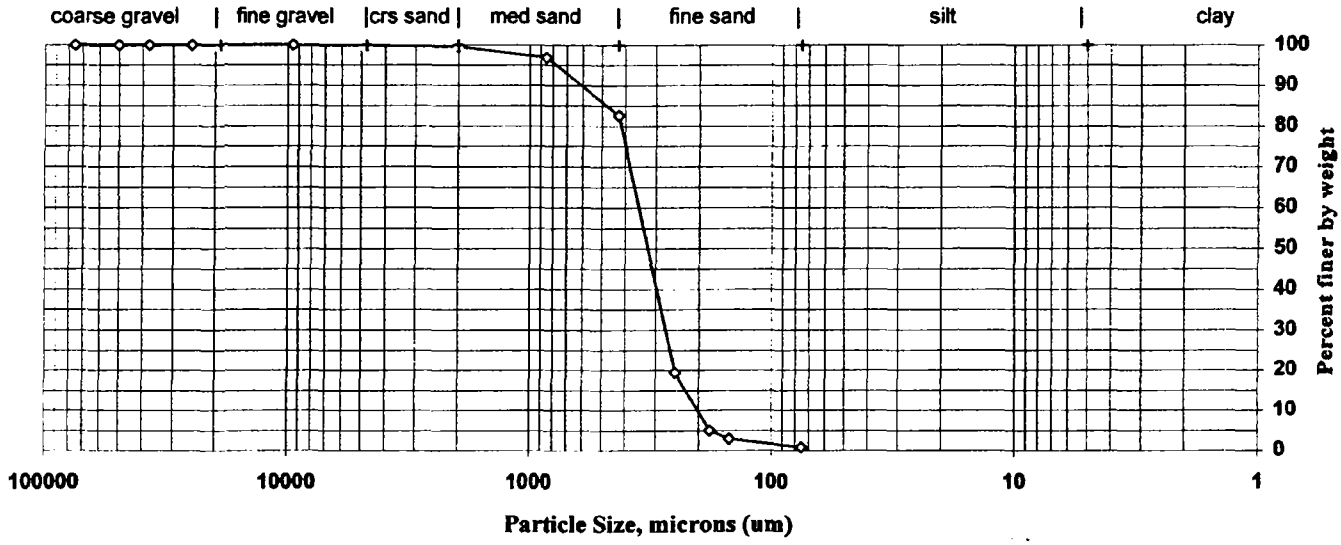
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626655DP **Sample ID:** NSP-SE-SQT10-0605-EREP

Percent Solids:	76.7%	**Maximum Particle Size:**	9.5 mm
Specific Gravity:	2.65 (assumed)	**Shape (> #10):**	subrounded
Non-soil mass:	0.5%	**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.9	0.1
#10	2000	99.7	0.3
#20	850	96.9	2.7
#40	425	82.6	14.3
#60	250	19.4	63.2
#80	180	5.1	14.3
#100	150	2.9	2.1
#200	75	0.8	2.1
Hydrometer	0.0	0.0	0.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.1
Sand	99.1
Coarse Sand	0.3
Medium Sand	17.0
Fine Sand	81.8
Fines	0.8

Particle Size of Soils by ASTM D422

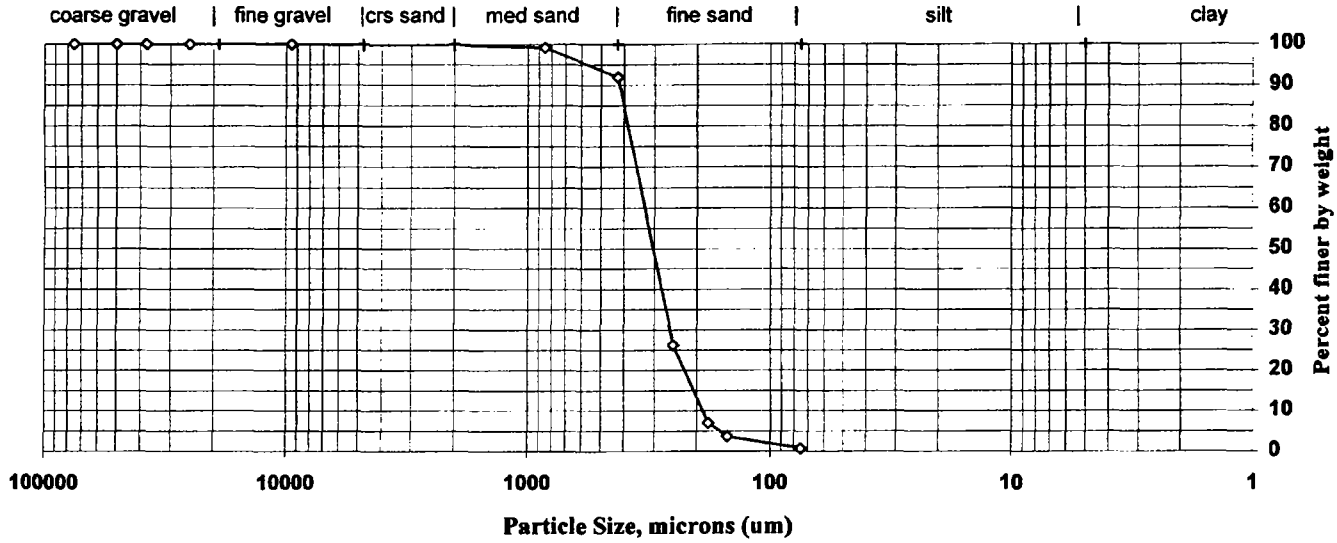
Sample preparation method: **D2217**

Client:	URSCO9	**Project No.:**	25000	**ETR(s) #:**	108059
Client Code:	URSCO9	**Job No.:**	N/A	**SDG(s):**	108059
Date Received:	28-Jun-05	**Start Date:**	8-Jul-05	**End Date:**	13-Jul-05

Lab ID: 626657 **Sample ID:** NSP-SE-SQDUP15-0605

Percent Solids: 73.3%
Specific Gravity: 2.65 (assumed)
Non-soil mass: 0.8%

Maximum Particle Size: 9.5 mm
Shape (> #10): subrounded
Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.9	0.1
#10	2000	99.8	0.1
#20	850	99.2	0.6
#40	425	92.0	7.2
#60	250	26.2	65.8
#80	180	7.0	19.2
#100	150	3.7	3.3
#200	75	0.7	3.0
Hydrometer	0.0	0.0	0.7
|	0.0	0.0	0.0
•|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.1
Sand	99.1
Coarse Sand	0.1
Medium Sand	7.8
Fine Sand	91.2
Fines	0.7

L25881 URS Data Package **1**

Case Narrative **2**

Sample Receipt Summary **4**

Analytical Results Summary **17**

Percent Moisture - Raw Data **25**

Gamma Spectroscopy **27**
Raw Sample Data 28
Raw QC Data 65
Background Data 75
Initial Calibration Data 86
Continuing Calibration Data 98
Preparation & Run Logs 132
Balance & Pipette Data 136
Standard Certificate Data 143

Lead 210 ..... **149**
Raw Sample Data 150
Raw QC Data 164
Background Data 169
Initial Calibration Data 186
Continuing Calibration Data 189
Preparation & Run Logs 212
Balance & Pipette Data 214
Standard Certificate Data 231

End of Document **235**

TELEDYNE
BROWN ENGINEERING
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931
865-690-6819 (Phone)

Work Order #: L25881

URS Corporation

August 3, 2005

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Weldon Bosworth
URS
45 Hillside Drive
Gelford NH 03249

Case Narrative - L25881
UR001-3EREG-05

08/03/2005 13:27

Sample Receipt

The following samples were received on June 23, 2005 in good condition, unless otherwise noted.

Several samples in the shipment were received broken, but none from core C-4. Additional samples not listed in this report were received and are currently being archived at the client request. Additional information was added to the data package on August 3, 2005 and the package was reissued.

Cross Reference Table

Client ID	Laboratory ID	Station ID(if applicable)
NSP-SE-C4-1-0605-02	L25881-1	
NSP-SE-C4-1-0605-10	L25881-2	
NSP-SE-C4-1-0605-18	L25881-3	
NSP-SE-C4-1-0605-26	L25881-4	
NSP-SE-C4-1-0605-28	L25881-5	
NSP-SE-C4-1-0605-36	L25881-6	
NSP-SE-C4-1-0605-44	L25881-7	
NSP-SE-C4-1-0605-52	L25881-8	
NSP-SE-C4-1-0605-60	L25881-9	

Analytical Method Cross Reference Table

Radiological Parameter	TBE Knoxville Method	Reference Method
Gamma Spectrometry	TBE-2007	EPA 901.1
PB-210	TBE-2015	

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Case Narrative - L25881
UR001-3EREG-05

08/03/2005 13:27

Gamma Spectroscopy

Quality Control

Quality control samples were analyzed as WG3044.

Method Blank

All blanks were within acceptance limits, unless otherwise noted.

Duplicate Sample

Duplicates were analyzed for the following samples. All duplicate results were within acceptance limits, unless otherwise noted.

Client ID	Laboratory ID	QC Sample #
NSP-SE-C4-1-0605-18	L25881-3	WG3044-2

PB-210

Quality Control

Quality control samples were analyzed as WG3058.

Method Blank

All blanks were within acceptance limits, unless otherwise noted.

Laboratory Control Sample

All laboratory control samples were within acceptance limits, unless otherwise noted.

Duplicate Sample

Duplicates were analyzed for the following samples. All duplicate results were within acceptance limits, unless otherwise noted.

Client ID	Laboratory ID	QC Sample #
NSP-SE-C1-1-0605-18	L25935-4	WG3058-3

Certification

This is to certify that Teledyne Brown Engineering - Environmental Services located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.

Keith Jeter
Operations Manager

Sample Receipt Summary

SEVERN TRENT STL

~~SEVERN TRENT LABORATORIES, INC.~~

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~Colchester, VT 05446 Tel 802 655 1203~~

Teledyne Brown Engineering L25881
2508 Quality Ln.
Knoxville TN 37931

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Milwaukee, WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature: Dan Miracle

Proj. No.

Project Name: Ashland / NSP LakeFront

No/Type of Containers²

ANALYSIS REQUESTED: Radiometric Dating

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1602			NSP-SE-C4-1-0605-02					X	
		1604			-04					X	
		1606			-06					X	
		1608			-08					X	
		1610			-10					X	
		1612			-12					X	
		1614			-14					X	
		1616			-16					X	
		1618			-18					X	
		1620			-20					X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
Dan Miracle	6/20/05	1600	Pat Marshall	6/22/05	1000	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container V - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

~~SEVERN TRENT LABORATORIES, INC.~~

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~Colchester, VT 05446 Tel 802 655 1203~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

L25881

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr. Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature: Dan Miracle

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Proj. No.	Project Name	No/Type of Containers²

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1622			NSP-SE-C4-1-0605-22					X	
		1624			-24					X	
		1626			-26					X	
		1628			-28					X	
		1630			-30					X	
		1632			-32					X	
		1634			-34					X	
		1636			-36					X	
		1638			-38					X	
		1640			-40					X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
Dan Miracle	6/20/05	1800	Pat Marshall	6/22/05	1000	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~Colchester, VT 05446 Tel 802 655 1203~~

~~SEVERN TRENT LABORATORIES, INC.~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

L25881

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr. Milwaukee, WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name: Ashland/NSP Lakefront

No/Type of Containers²

ANALYSIS REQUESTED: Radiometric Datum

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Datum	Lab/Sample ID (Lab Use Only)
S	6/16	1642			NSP-SE-C4-1-0605-42					X	
		1644			-44					X	
		1646			-46					X	
		1648			-48					X	
		1650			-50					X	
		1652			-52					X	
		1654			-54					X	
		1656			-56					X	
		1658			-58					X	
↓	↓	1700			-60					X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
	6/20/05	1800	Pat Marshall	6/22/05	1000	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

~~SEVERN TRENT LABORATORIES, INC.~~

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~Colchester, VT 05446 Tel 802 655 1203~~

TE Dyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

L2, 135

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr. Milwaukee, WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature: Dan Miracle

Proj. No.

Project Name: Ashland / NSP Lakefront

No/Type of Containers²

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1702			NSP-SE-C1-1-0605-02					X	
		1704			-04					X	
		1706			-06					X	
		1708			-08					X	
		1710			-10					X	
		1712			-12					X	
		1714			-14					X	
		1716			-16					X	
		1718			-18					X	
↓	↓	1720			-20					X	

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Dan Miracle	6/20/05	1800	Pat Marshall	6/22/05	1000
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to
(802) 655-1248

STL8234-200 (12/02)

L25881

Sample ID	top(cm)	bottom (cm)	set #1
NSP-SE-C4-1-0605-02	0	2	x
NSP-SE-C4-1-0605-04	2	4	
NSP-SE-C4-1-0605-06	4	6	
NSP-SE-C4-1-0605-08	6	8	
NSP-SE-C4-1-0605-10	8	10	x
NSP-SE-C4-1-0605-12	10	12	
NSP-SE-C4-1-0605-14	12	14	
NSP-SE-C4-1-0605-16	14	16	
NSP-SE-C4-1-0605-18	16	18	x
NSP-SE-C4-1-0605-20	18	20	
NSP-SE-C4-1-0605-22	20	22	
NSP-SE-C4-1-0605-24	22	24	
NSP-SE-C4-1-0605-26	24	26	x
NSP-SE-C4-1-0605-28	26	28	x
NSP-SE-C4-1-0605-30	28	30	
NSP-SE-C4-1-0605-32	30	32	
NSP-SE-C4-1-0605-34	32	34	
NSP-SE-C4-1-0605-36	34	36	x
NSP-SE-C4-1-0605-38	36	38	
NSP-SE-C4-1-0605-40	38	40	
NSP-SE-C4-1-0605-42	40	42	
NSP-SE-C4-1-0605-44	42	44	x
NSP-SE-C4-1-0605-46	44	46	
NSP-SE-C4-1-0605-48	46	48	
NSP-SE-C4-1-0605-50	48	50	
NSP-SE-C4-1-0605-52	50	52	x
NSP-SE-C4-1-0605-54	52	54	
NSP-SE-C4-1-0605-56	54	56	
NSP-SE-C4-1-0605-58	56	58	
NSP-SE-C4-1-0605-60	58	60	x

dense woo

07/27/05 08:39

SR #: SR04594

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

'ient: URS Project #: UR001-3EREG-05 LIMS #: L25881

Initiated By: PAM
Init Date: 06/24/05 Receive Date: 06/22/05

Notification of Variance

Person Notified: Weldon Bosworth Contacted By: R. Charles
Notify Date: 06/24/05
Notify Method: email/phon
Notify Comment: Response on email

Client Response

Person Responding: Weldon Bosworth
Response Date: 07/04/05
Response Method: email
Response Comment *See attached email*

	Criteria	Yes	No	NA	Comment
1	Shipping container custody seals present and intact.	Y			
2	Sample container custody seals present and intact.			NA	
3	Sample containers received in good condition		N		
	C1-1-38				Broken in shipment
	C6-1-52				Broken in shipment
	C3-1-50				Broken in shipment
	C6-1-44				Broken in shipment
	C6-1-48				Broken in shipment, but salvaged
	C3-1-50				Broken in shipment, but salvaged
4	Chain of custody received with samples	Y			
5	All samples listed on chain of custody received	Y			
6	Sample container labels present and legible.	Y			
7	Information on container labels correspond with chain of custody		N		We have 2 sets of paperwork for C1 and no paperwork for C2. The sample containers are marked as C1-C6.
8	Sample(s) properly preserved and in appropriate container(s)			NA	
9	Other (Describe)			NA	

Lynne,

These are the 180 Pb210 samples we have received. You can check with Weldon next week and find our what he wants us to do. His number is 603-524-1822.

Rebecca Charles
Teledyne Brown Engineering
Project Manager
(865) 934-0379
(865) 934-0396 (fax)

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-----Original Message-----
From: Weldon Bosworth [mailto:wbosworth@metrocast.net]
Sent: Friday, June 24, 2005 1:44 PM
To: Charles, Rebecca
Subject: RE: samples receipt variance report

I'll get back to you on this, hopefully next week. I think the plan was to do two cores and hold the others as contingency.

I will also work out the sample issues.

> -----Original Message-----
> **From:** Charles, Rebecca [mailto:Rebecca.Charles@tbe.com]
> **Sent:** Friday, June 24, 2005 1:03 PM
> **To:** wbosworth@metrocast.net
> **Subject:** samples receipt variance report
>
> Weldon,
>
> A couple of the samples were broken at receipt. C1-1-38, C3-1-50, C6-1-44 and C6-1-52 were broken and empty upon receipt. The soil was in the bottom of the cooler. C3-1-50 and C6-1-48 were broken, but salvageable. The percent moisture for these samples will not be accurate, since the samples dried out during transport.
>
> The paperwork listed two sets of samples are NSP-SE-C1-1-0605. We believe one set should have been marked C2. We identified the samples by the collection times.
>
> There are 6 cores with 30 samples for each core. That will be a total of 180 (minus 4 broken samples) for Cs-137 and Pb-210. With the level four data package, the total cost will be $44, 880. The cost for the data interpretation will be approximately $1440. The contract is for $14,190. Could you provide some

guidance on this? Generally we receive a fewer sections per core. Do you need all the depths analyzed?

Rebecca Charles
Teledyne Brown Engineering
Project Manager
(865) 934-0379
(865) 934-0396 (fax)

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Charles, Rebecca

From: Weldon Bosworth [wbosworth@metrocast.net]
Sent: Monday, July 04, 2005 7:40 AM
To: Charles, Rebecca
Cc: Chris_Reed@URSCorp.com; Paul Sklar; 'dave trainor'
Subject: Ashland Samples for age-dating

Hi Rebecca,

The attached spreadsheets indicate (by an 'x' in column C) which samples we want analyzed first. After we've seen the results from these we may select additional samples, so please archive the remainder.

Regards, Weldon

Weldon Bosworth, Ph.D.
URS
wbosworth@metrocast.net
Ph. 603.524.1822
Fx. 603.528.9674

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7-8-05

TELEDYNE BROWN ENGINEERING
2508 Quality Lane
Knoxville, TN 37931-3133

ACKNOWLEDGEMENT
This is not an invoice

Weldon Bosworth
URS
45 Hillside Drive
Gelford, NH 03249

July 08, 2005

The following sample(s) were received at Teledyne Brown Engineering Knoxville laboratory on June 23, 2005. The sample(s) have been scheduled for the analyses listed below and the report is scheduled for completion by July 23, 2005. Please review the following login information and pricing. Contact me if anything is incorrect or you have questions about the status of your sample(s).

Thank you for choosing Teledyne Brown Engineering for your analytical needs.

Sincerely,
Rebecca Charles
Project Manager
(865)934-0379

Project ID: UR001-3EREG-05
P.O. #: 103634.US
Release #:
Contract#: 103634.US
Weldon Bosworth, FAX#:--, wbosworth@metrocast.net

Client ID/ Station	Laboratory ID Analysis	Vol/Units Price	Start Collect Date/Time	End Collect Date/Time
NSP-SE-C4-1-0605-02	**L25881-1**		**06/16/05:1602**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C4-1-0605-10	**L25881-2**		**06/16/05:1610**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C4-1-0605-18	**L25881-3**		**06/16/05:1618**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C4-1-0605-26	**L25881-4**		**06/16/05:1626**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C4-1-0605-28	**L25881-5**		**06/16/05:1628**	
SS	GELI	111.00		
SS	PB-210	144.00		

Client ID/ Station	Laboratory ID Analysis	Vol/Units Price	Start Collect Date/Time	End Collect Date/Time
NSP-SE-C4-1-0605-36	**L25881-6**		**06/16/05:1636**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C4-1-0605-44	**L25881-7**		**06/16/05:1644**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C4-1-0605-52	**L25881-8**		**06/16/05:1652**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C4-1-0605-60	**L25881-9**		**06/16/05:1700**	
SS	GELI	111.00		
SS	PB-210	144.00		

End of document

Internal Chain of Custody

Sample #	Btl#	Relinquish Date	Relinquish By	Received By
L25881-1	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/13/2005 10:07	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian
L25881-2	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/13/2005 10:07	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian
L25881-3	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 09:04	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian
L25881-4	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/13/2005 10:07	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian
L25881-5	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/13/2005 10:07	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian
L25881-6	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/13/2005 10:07	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian
L25881-7	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/13/2005 10:07	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian
L25881-8	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/13/2005 10:07	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian
L25881-9	1	06/23/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/13/2005 10:07	Donna Webb	Sample Custodian
		07/13/2005 16:11	Sample Custodian	Susan Ogletree
		07/20/2005 11:44	Susan Ogletree	Sample Custodian

Analytical Results Summary

Report of Analysis

07/25/05 15:34

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25881

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C4-1-0605-02** Collect Start: 06/16/2005 16:02 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 0 cm - 2 cm Receive Date: 06/23/2005 % Moisture: 64.93
LIMS Number: L25881-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**6.58E-01**	2.36E-01	3.02E-01	pCi/g Dry		3.99	g dry	06/16/05 16:02	07/19/05	100	M	+		
CS-137	2007	7.76E-02	8.55E-02	**1.52E-01**	pCi/g Dry		9.49	g dry	06/16/05 16:02	07/07/05	54601	Sec	U		No

Sample ID: **NSP-SE-C4-1-0605-10** Collect Start: 06/16/2005 16:10 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 8 cm - 10 cm Receive Date: 06/23/2005 % Moisture: 71.29
LIMS Number: L25881-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.80E-01**	1.06E-01	1.54E-01	pCi/g Dry		7.01	g dry	06/16/05 16:10	07/19/05	100	M	+		
CS-137	2007	6.16E-02	7.29E-02	**1.23E-01**	pCi/g Dry		17.04	g dry	06/16/05 16:10	07/11/05	60000	Sec	U		No

Sample ID: **NSP-SE-C4-1-0605-18** Collect Start: 06/16/2005 16:18 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 16 cm - 18 cm Receive Date: 06/23/2005 % Moisture: 73.09
LIMS Number: L25881-3

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.89E-01**	8.49E-02	1.31E-01	pCi/g Dry		4.08	g dry	06/16/05 16:18	07/21/05	800	M	+		
CS-137	2007	8.15E-02	5.71E-02	**9.88E-02**	pCi/g Dry		12.02	g dry	06/16/05 16:18	07/11/05	60300	Sec	U		No

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

07/25/05 15:34

L25881

URS

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C4-1-0605-26** Collect Start: 06/16/2005 16:26 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 24 cm - 26 cm Receive Date: 06/23/2005 % Moisture: 57.45
LIMS Number: L25881-4

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**3.76E-01**	1.83E-01	2.53E-01	pCi/g Dry		5.14	g dry	06/16/05 16:26	07/19/05	100	M	+		
CS-137	2007	-2.49E-02	7.86E-02	**1.29E-01**	pCi/g Dry		12.08	g dry	06/16/05 16:26	07/07/05	54841	Sec	U		No

Sample ID: **NSP-SE-C4-1-0605-28** Collect Start: 06/16/2005 16:28 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 26 cm - 28 cm Receive Date: 06/23/2005 % Moisture: 53.28
LIMS Number: L25881-5

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	-7.50E-02	1.42E-01	**2.37E-01**	pCi/g Dry		2.41	g dry	06/16/05 16:28	07/21/05	800	M	U		
CS-137	2007	-2.80E-02	1.06E-01	**1.46E-01**	pCi/g Dry		5.1	g dry	06/16/05 16:28	07/07/05	54901	Sec	U		No

Sample ID: **NSP-SE-C4-1-0605-36** Collect Start: 06/16/2005 16:36 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 34 cm - 36 cm Receive Date: 06/23/2005 % Moisture: 23.82
LIMS Number: L25881-6

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**2.72E-01**	6.91E-02	7.60E-02	pCi/g Dry		9.38	g dry	06/16/05 16:36	07/19/05	100	M	+		
CS-137	2007	8.91E-03	3.49E-02	**5.62E-02**	pCi/g Dry		32	g dry	06/16/05 16:36	07/07/05	54781	Sec	U		No

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

07/25/05 15:34

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25881

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID:	**NSP-SE-C4-1-0605-44**	Collect Start:	06/16/2005 16:44	Matrix:	Sediment/Silt (SS)
Station:		Collect Stop:		Volume:	
Description:	42 cm -44 cm	Receive Date:	06/23/2005	% Moisture:	20.94
LIMS Number:	L25881-7				

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.68E-01**	4.99E-02	7.41E-02	pCi/g Dry		9.48	g dry	06/16/05 16:44	07/21/05	800	M	+		
CS-137	2007	2.04E-02	7.38E-02	**1.26E-01**	pCi/g Dry		60	g dry	06/16/05 16:44	07/11/05	5400	Sec	U		No

Sample ID:	**NSP-SE-C4-1-0605-52**	Collect Start:	06/16/2005 16:52	Matrix:	Sediment/Silt (SS)
Station:		Collect Stop:		Volume:	
Description:	50 cm - 52 cm	Receive Date:	06/23/2005	% Moisture:	19.51
LIMS Number:	L25881-8				

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.49E-01**	4.84E-02	7.26E-02	pCi/g Dry		9.74	g dry	06/16/05 16:52	07/21/05	800	M	+		
CS-137	2007	4.38E-03	7.61E-02	**1.27E-01**	pCi/g Dry		66.57	g dry	06/16/05 16:52	07/11/05	4200	Sec	U		No

Sample ID:	**NSP-SE-C4-1-0605-60**	Collect Start:	06/16/2005 17:00	Matrix:	Sediment/Silt (SS)
Station:		Collect Stop:		Volume:	
Description:	58 cm -60 cm	Receive Date:	06/23/2005	% Moisture:	20.14
LIMS Number:	L25881-9				

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.56E-01**	6.35E-02	8.72E-02	pCi/g Dry		9.5	g dry	06/16/05 17:00	07/19/05	100	M	+		
CS-137	2007	-4.11E-02	5.82E-02	**7.59E-02**	pCi/g Dry		63.11	g dry	06/16/05 17:00	07/11/05	4200	Sec	U		No

Flag Values
- U = Compound/Analyte not detected or less than 3 sigma
- \+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
- U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- High = Activity concentration exceeds customer reporting value
- Spec = MDC exceeds customer technical specification
- L = Low recovery
- H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma specturm
**** Results are reported on an as received basis unless otherwise noted

MDC - Mimimum Detectable Concentration

QC Summary Report for L25881

7/26/2005 2:36:52PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

GAMMA

Method Blank Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Blank Result	Units	Qualifier	P/F
WG3044-1	CS-137	SS	07/11/2005 7:52	< 1.705E-01	pCi/g Dry	U	P

L25881 **GELI**

Associated Samples for **WG3044**

SAMPLENUM	CLIENTID
L25881-1	NSP-SE-C4-1-0605-02
L25881-2	NSP-SE-C4-1-0605-10
L25881-3	NSP-SE-C4-1-0605-18
L25881-4	NSP-SE-C4-1-0605-26
L25881-5	NSP-SE-C4-1-0605-28
L25881-6	NSP-SE-C4-1-0605-36
L25881-7	NSP-SE-C4-1-0605-44
L25881-8	NSP-SE-C4-1-0605-52
L25881-9	NSP-SE-C4-1-0605-60

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

Report of Analysis

07/25/05 16:15

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

WG3044

2508 Quality Lane

TBE-Marty Keller

TE511-LABQC

Sample ID: **Blank Samples** | Collect Start: | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: | Receive Date: 07/08/2005 | % Moisture:
LIMS Number: WG3044-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
CS-137	2007	9.33E-02	8.20E-02	**1.71E-01**	pCi/g Dry		100	%	07/11/05 07:50	07/11/05	3600	Sec	U	No

Sample ID: **NSP-SE-C4-1-0605-18** | Collect Start: 06/16/2005 16:18 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: | Receive Date: 07/08/2005 | % Moisture:
LIMS Number: WG3044-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
CS-137	2007	-3.84E-03	6.35E-02	**9.88E-02**	pCi/g Dry		12.02	g dry	06/16/05 16:18	07/12/05	68761	Sec	U	No

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma specturm
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

QC Summary Report for L25881

7/26/2005 2:36:52PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

PB-210

Method Blank Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Blank Result	Units	Qualifier	P/F
WG3058-1	PB-210	WO	07/19/2005 17:16	< 1.040E+00	pCi/Total	U	P

LCS Sample Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Spike Value	LCS Result	Units	Spike Recovery	Range	Qualifier	P/F
WG3058-2	PB-210	WO	07/19/2005 17:16	6.35E+002	5.750E+02	pCi/Total	90.6	70-130	+	P

Spike ID: 210PB-012505
Spike conc: 6.35E+002
Spike Vol: 1.00E+000

Duplicate Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Original Result	DUP Result	Units	RPD	Range	Qualifier	P/F
WG3058-3 L25935-4	PB-210	SS	07/21/2005 6:21	1.230E-01	1.340E-01	pCi/g Dry		<50	*	NE

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

QC Summary Report for L25881

7/26/2005 2:36:52PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

L25881 **PB-210**

Associated Samples for **WG3058**

SAMPLENUM	CLIENTID
L25881-1	NSP-SE-C4-1-0605-02
L25881-2	NSP-SE-C4-1-0605-10
L25881-3	NSP-SE-C4-1-0605-18
L25881-4	NSP-SE-C4-1-0605-26
L25881-5	NSP-SE-C4-1-0605-28
L25881-6	NSP-SE-C4-1-0605-36
L25881-7	NSP-SE-C4-1-0605-44
L25881-8	NSP-SE-C4-1-0605-52
L25881-9	NSP-SE-C4-1-0605-60

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

Percent Moisture

Raw Data

PERCENT_MOISTURE

Percent Moisture Entry

Exit

Workgroup/ Login #	Status	Tare/Wet Date/Balance	Dry Date/Balance	Analyst
L25881	Open	Date		
		Bal		

Query | Save

GALP

Sample #	Client ID	Anl	Tare/Wet Date	Tare/Wet Balance	Tare Weight	Wet Weight	Dry Date	Dry Balance	Dry Weight	Net Dry	% Moist
L25881-1	NSP-SE-C4-1-0605-(	DW	070605	BALANCE 8	8.18	34.93	070705	BALANCE 8	17.56	9.38	64.93
L25881-2	NSP-SE-C4-1-0605-:	DW	070605	BALANCE 8	8.3	66.53	070705	BALANCE 8	25.02	16.72	71.29
L25881-3	NSP-SE-C4-1-0605-:	DW	070605	BALANCE 8	8.28	52.24	070705	BALANCE 8	20.11	11.83	73.09
L25881-4	NSP-SE-C4-1-0605-2	DW	070605	BALANCE 8	8.26	36.6	070705	BALANCE 8	20.32	12.06	57.45
L25881-5	NSP-SE-C4-1-0605-2	DW	070605	BALANCE 8	8.28	19.26	070705	BALANCE 8	13.41	5.13	53.28
L25881-6	NSP-SE-C4-1-0605-3	DW	070605	BALANCE 8	7.72	49.79	070705	BALANCE 8	39.77	32.05	23.82
L25881-7	NSP-SE-C4-1-0605-4	DW	070605	BALANCE 8	7.7	83.58	070705	BALANCE 8	67.69	59.99	20.94
L25881-8	NSP-SE-C4-1-0605-5	DW	070605	BALANCE 8	7.69	90.42	070705	BALANCE 8	74.28	66.59	19.51
L25881-9	NSP-SE-C4-1-0605-(	DW	070605	BALANCE 8	7.67	86.83	070705	BALANCE 8	70.89	63.22	20.14

L25935 URS Data Package **1**

Case Narrative **2**

Sample Receipt Summary **4**

Sample Result Summary **15**

Percent Moisture - Raw Data **24**

Gamma Spectroscopy **26**
Raw Sample Data 27
Raw QC Data 65
Background Data 74
Initial Calibration Data 83
Continuing Calibration Data 102
Preparation & Run Logs 123
Balance & Pipette Data 127
Standard Certificate Data 134

Lead 210 ..... **140**
Raw Sample Data 141
Raw QC Data 157
Background Data 162
Initial Calibration Data 194
Continuing Calibration Data 197
Preparation & Run Logs 240
Balance & Pipette Data 242
Standard Certificate Data 259

End of Document **263**

TELEDYNE
BROWN ENGINEERING
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931
865-690-6819 (Phone)

Work Order #: L25935

URS Corporation

August 3, 2005

TELEDYNE
BROWN ENGINEERING, I.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Weldon Bosworth
URS
45 Hillside Drive
Gelford NH 03249

Case Narrative - L25935
UR001-3EREG-05

08/03/2005 13:32

Sample Receipt

The following samples were received on July 6, 2005 in good condition, unless otherwise noted.

Sample NSP-SE-C1-1-0605-38 was broken during transit. All other samples were received in good condition. Additional samples, not listed in this report, were received and are currently being archived at the client request. Additional information was added to the data package on August 3, 2005 and the report was re-issued.

Cross Reference Table

Client ID	Laboratory ID	Station ID(if applicable)
NSP-SE-C1-1-0605-02	L25935-1	
NSP-SE-C1-1-0605-06	L25935-2	
NSP-SE-C1-1-0605-10	L25935-3	
NSP-SE-C1-1-0605-18	L25935-4	
NSP-SE-C1-1-0605-26	L25935-5	
NSP-SE-C1-1-0605-34	L25935-6	
NSP-SE-C1-1-0605-42	L25935-7	
NSP-SE-C1-1-0605-50	L25935-8	
NSP-SE-C1-1-0605-58	L25935-9	

Analytical Method Cross Reference Table

Radiological Parameter	TBE Knoxville Method	Reference Method
Gamma Spectrometry	TBE-2007	EPA 901.1
PB-210	TBE-2015	

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Case Narrative - L25935
UR001-3EREG-05

08/03/2005 13:32

Gamma Spectroscopy

Quality Control

Quality control samples were analyzed as WG3043.

Method Blank

All blanks were within acceptance limits, unless otherwise noted.

Duplicate Sample

Duplicates were analyzed for the following samples. All duplicate results were within acceptance limits, unless otherwise noted.

Client ID	Laboratory ID	QC Sample #
NSP-SE-C1-1-0605-18	L25935-4	WG3043-2

PB-210

Quality Control

Quality control samples were analyzed as WG3058.

Method Blank

All blanks were within acceptance limits, unless otherwise noted.

Laboratory Control Sample

All laboratory control samples were within acceptance limits, unless otherwise noted.

Duplicate Sample

Duplicates were analyzed for the following samples. All duplicate results were within acceptance limits, unless otherwise noted.

Client ID	Laboratory ID	QC Sample #
NSP-SE-C1-1-0605-18	L25935-4	WG3058-3

Certification

This is to certify that Teledyne Brown Engineering - Environmental Services located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.

Keith Jeter
Operations Manager

Sample Receipt Summary

SEVERN TRENT STL

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~SEVERN TRENT LABORATORIES, INC.~~ ~~Colchester, VT 05446 Tel 802 655 1203~~

Tel June Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

L25935

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr. Milwaukee, WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature: Dan Miracle

Proj. No. | Project Name | No/Type of Containers²

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1722			NSP-SE-CL-1-0605-22					X	
		1724			-24					X	
		1726			-26					X	
		1728			-28					X	
		1730			-30					X	
		1732			-32					X	
		1734			-34					X	
		1736			-36					X	
		1738			-38					X	
		1740			-40					X	

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal Intact: N / Y

Screened For Radioactivity: ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Dan Miracle	6/20/05	1800	Pat Marshall	6/22/05	1000
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

~~SEVERN TRENT LABORATORIES, INC.~~

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~Colchester, VT 05446 Tel 800-655-1203~~

Teledyne Brown Engineering L25935
2508 Quality Ln.
Knoxville TN 37931

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No. | Project Name | No/Type of Containers²

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Analysis Requested: Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1742			NSP-SE-C1-1-0605-42					X	
		1744			-44					X	
		1746			-46					X	
		1748			-48					X	
		1750			-50					X	
		1752			-52					X	
		1754			-54					X	
		1756			-56					X	
		1758			-58					X	
↓	↓	1800			-60					X	

Lab Use Only
Due Date:

Temp. of coolers when received (C°):
1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
	6/20/05	1800	Pat Marshall	6/22/05	1000	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container V - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

L25935 / 6 of 263

07/27/05 08:34

SR #: SR04638

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

Client: URS Corporation Project #: UR001-3EREG-05 LIMS #: L25935

Initiated By: PMARSHALL
Init Date: 07/06/05 Receive Date: 07/06/05

Notification of Variance

Person Notified: Weldon Bosworth Contacted By: R. Charles
Notify Date: 06/24/05
Notify Method: email/phon
Notify Comment: See attached email

Client Response

Person Responding: Weldon Bosworth
Response Date: 07/04/05
Response Method: email
Response Comment: See attached email

	Criteria	Yes	No	NA	Comment
1	Shipping container custody seals present and intact.			NA	
2	Sample container custody seals present and intact.			NA	
3	Sample containers received in good condition		N		
	C1-1-38				Broken in transit
4	Chain of custody received with samples		Y		
5	All samples listed on chain of custody received		Y		
6	Sample container labels present and legible.		Y		
7	Information on container labels correspond with chain of custody		N		Two sets of papaerwork for C-1 and none for C-2.
8	Sample(s) properly preserved and in appropriate container(s)			NA	
9	Other (Describe)			NA	

Sample ID	top(cm)	bottom (cm)	set #1
NSP-SE-C1-1-0605-02	0	2	x
NSP-SE-C1-1-0605-04	2	4	
NSP-SE-C1-1-0605-06	4	6	x
NSP-SE-C1-1-0605-08	6	8	
NSP-SE-C1-1-0605-10	8	10	x
NSP-SE-C1-1-0605-12	10	12	
NSP-SE-C1-1-0605-14	12	14	
NSP-SE-C1-1-0605-16	14	16	
NSP-SE-C1-1-0605-18	16	18	x
NSP-SE-C1-1-0605-20	18	20	
NSP-SE-C1-1-0605-22	20	22	
NSP-SE-C1-1-0605-24	22	24	
NSP-SE-C1-1-0605-26	24	26	x
NSP-SE-C1-1-0605-28	26	28	
NSP-SE-C1-1-0605-30	28	30	
NSP-SE-C1-1-0605-32	30	32	
NSP-SE-C1-1-0605-34	32	34	x
NSP-SE-C1-1-0605-36	34	36	
NSP-SE-C1-1-0605-38	36	38	
NSP-SE-C1-1-0605-40	38	40	
NSP-SE-C1-1-0605-42	40	42	x
NSP-SE-C1-1-0605-44	42	44	
NSP-SE-C1-1-0605-46	44	46	
NSP-SE-C1-1-0605-48	46	48	
NSP-SE-C1-1-0605-50	48	50	x
NSP-SE-C1-1-0605-52	50	52	
NSP-SE-C1-1-0605-54	52	54	
NSP-SE-C1-1-0605-56	54	56	
NSP-SE-C1-1-0605-58	56	58	x
NSP-SE-C1-1-0605-60	58	60	

dense woo

L25935

Lynne,

These are the 180 Pb210 samples we have received. You can check with Weldon next week and find our what he wants us to do. His number is 603-524-1822.

Rebecca Charles
Teledyne Brown Engineering
Project Manager
(865) 934-0379
(865) 934-0396 (fax)

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-----Original Message-----
From: Weldon Bosworth [mailto:wbosworth@metrocast.net]
Sent: Friday, June 24, 2005 1:44 PM
To: Charles, Rebecca
Subject: RE: samples receipt variance report

I'll get back to you on this, hopefully next week. I think the plan was to do two cores and hold the others as contingency.

I will also work out the sample issues.

> -----Original Message-----
> **From:** Charles, Rebecca [mailto:Rebecca.Charles@tbe.com]
> **Sent:** Friday, June 24, 2005 1:03 PM
> **To:** wbosworth@metrocast.net
> **Subject:** samples receipt variance report
>
> Weldon,
>
> A couple of the samples were broken at receipt. C1-1-38, C3-1-50, C6-1-44 and C6-1-52 were broken and empty upon receipt. The soil was in the bottom of the cooler. C3-1-50 and C6-1-48 were broken, but salvageable. The percent moisture for these samples will not be accurate, since the samples dried out during transport.
>
> The paperwork listed two sets of samples are NSP-SE-C1-1-0605. We believe one set should have been marked C2. We identified the samples by the collection times.
>
> There are 6 cores with 30 samples for each core. That will be a total of 180 (minus 4 broken samples) for Cs-137 and Pb-210. With the level four data package, the total cost will be $44, 880. The cost for the data interpretation will be approximately $1440. The contract is for $14,190. Could you provide some

guidance on this? Generally we receive a fewer sections per core. Do you need all the depths analyzed?

Rebecca Charles
Teledyne Brown Engineering
Project Manager
(865) 934-0379
(865) 934-0396 (fax)

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Charles, Rebecca

From: Weldon Bosworth [wbosworth@metrocast.net]
Sent: Monday, July 04, 2005 7:40 AM
To: Charles, Rebecca
Cc: Chris_Reed@URSCorp.com; Paul Sklar; 'dave trainor'
Subject: Ashland Samples for age-dating

Hi Rebecca,

The attached spreadsheets indicate (by an 'x' in column C) which samples we want analyzed first. After we've seen the results from these we may select additional samples, so please archive the remainder.

Regards, Weldon

Weldon Bosworth, Ph.D.
URS
wbosworth@metrocast.net
Ph. 603.524.1822
Fx. 603.528.9674

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7-8-05

TELEDYNE BROWN ENGINEERING
2508 Quality Lane
Knoxville, TN 37931-3133

ACKNOWLEDGEMENT
This is not an invoice

Weldon Bosworth
URS
45 Hillside Drive
Gelford, NH 03249

July 08, 2005

The following sample(s) were received at Teledyne Brown Engineering Knoxville laboratory on July 06, 2005. The sample(s) have been scheduled for the analyses listed below and the report is scheduled for completion by August 05, 2005. Please review the following login information and pricing. Contact me if anything is incorrect or you have questions about the status of your sample(s).

Thank you for choosing Teledyne Brown Engineering for your analytical needs.

Sincerely,
Rebecca Charles
Project Manager
(865)934-0379

Project ID: UR001-3EREG-05
P.O. #: 103634.US
Release #:
Contract#: 103634.US
Weldon Bosworth, FAX#:--, wbosworth@metrocast.net

Client ID/ Station	Laboratory ID Analysis	Vol/Units Price	Start Collect Date/Time	End Collect Date/Time
NSP-SE-C1-1-0605-02	**L25935-1**		**06/16/05:1702**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C1-1-0605-06	**L25935-2**		**06/16/05:1706**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C1-1-0605-10	**L25935-3**		**06/16/05:1710**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C1-1-0605-18	**L25935-4**		**06/16/05:1718**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C1-1-0605-26	**L25935-5**		**06/16/05:1726**	
SS	GELI	111.00		
SS	PB-210	144.00		

Client ID/ Station	Laboratory ID Analysis	Vol/Units Price	Start Collect Date/Time	End Collect Date/Time
NSP-SE-C1-1-0605-34	**L25935-6**		**06/16/05:1734**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C1-1-0605-42	**L25935-7**		**06/16/05:1742**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C1-1-0605-50	**L25935-8**		**06/16/05:1750**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C1-1-0605-58	**L25935-9**		**06/16/05:1758**	
SS	GELI	111.00		
SS	PB-210	144.00		

End of document

Teledyne Brown Engineering
Internal Chain of Custody

Sample #	Btl#	Relinquish Date	Relinquish By	Received By
L25935-1	1	*07/06/2005 00:00*		*Sample Custodian*
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 11:39	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25935-2	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 09:04	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25935-3	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 11:39	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25935-4	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 11:39	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25935-5	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 14:25	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25935-6	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 11:39	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25935-7	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 11:39	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25935-8	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 11:39	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25935-9	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:20	Sample Custodian	Donna Webb
		07/12/2005 11:39	Donna Webb	Sample Custodian
		07/13/2005 16:14	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian

Sample Result Summary

Report of Analysis

07/22/05 13:40

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25935

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID:	**NSP-SE-C1-1-0605-02**	Collect Start:	06/16/2005 17:02	Matrix:	Sediment/Silt (SS)
Station:		Collect Stop:		Volume:	
Description:	0 cm - 2 cm	Receive Date:	07/06/2005	% Moisture:	22.40
LIMS Number:	L25935-1				

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**4.05E-01**	1.35E-01	1.70E-01	pCi/g Dry		9.96	g dry	06/16/05 17:02	07/19/05	100	M	+		
CS-137	2007	3.81E-04	4.96E-02	**8.46E-02**	pCi/g Dry		69.74	g dry	06/16/05 17:02	07/12/05	4800	Sec	U		No

Sample ID:	**NSP-SE-C1-1-0605-06**	Collect Start:	06/16/2005 17:06	Matrix:	Sediment/Silt (SS)
Station:		Collect Stop:		Volume:	
Description:	4 cm - 6 cm	Receive Date:	07/06/2005	% Moisture:	18.43
LIMS Number:	L25935-2				

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**7.27E-02**	3.47E-02	5.38E-02	pCi/g Dry		9.46	g dry	06/16/05 17:06	07/21/05	800	M	+		
CS-137	2007	1.38E-02	2.21E-02	**3.74E-02**	pCi/g Dry		65.74	g dry	06/16/05 17:06	07/11/05	55500	Sec	U		No

Sample ID:	**NSP-SE-C1-1-0605-10**	Collect Start:	06/16/2005 17:10	Matrix:	Sediment/Silt (SS)
Station:		Collect Stop:		Volume:	
Description:	6 cm - 8 cm	Receive Date:	07/06/2005	% Moisture:	14.22
LIMS Number:	L25935-3				

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	3.85E-02	3.14E-02	**5.00E-02**	pCi/g Dry		9.86	g dry	06/16/05 17:10	07/21/05	800	M	U		
CS-137	2007	-5.22E-02	6.63E-02	**9.31E-02**	pCi/g Dry		71.87	g dry	06/16/05 17:10	07/12/05	4500	Sec	U		No

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text tes reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

07/22/05 13:40

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25935

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C1-1-0605-18** Collect Start: 06/16/2005 17:18 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 16 cm - 18 cm Receive Date: 07/06/2005 % Moisture: 13.83
LIMS Number: L25935-4

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.23E-01**	3.50E-02	5.21E-02	pCi/g Dry		9.99	g dry	06/16/05 17:18	07/21/05	800	M	+			
CS-137	2007	-3.35E-03	1.33E-02	**2.18E-02**	pCi/g Dry		93.29	g dry	06/16/05 17:18	07/11/05	54600	Sec	U		No	

Sample ID: **NSP-SE-C1-1-0605-26** Collect Start: 06/16/2005 17:26 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 24 cm - 26 cm Receive Date: 07/06/2005 % Moisture: 13.86
LIMS Number: L25935-5

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**9.86E-02**	2.71E-02	4.02E-02	pCi/g Dry		9.64	g dry	06/16/05 17:26	07/21/05	800	M	+			
CS-137	2007	3.47E-02	3.49E-02	**6.46E-02**	pCi/g Dry		61.23	g dry	06/16/05 17:26	07/12/05	6000	Sec	U		No	

Sample ID: **NSP-SE-C1-1-0605-34** Collect Start: 06/16/2005 17:34 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 32 cm - 34 cm Receive Date: 07/06/2005 % Moisture: 15.29
LIMS Number: L25935-6

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**9.69E-02**	3.28E-02	4.95E-02	pCi/g Dry		9.7	g dry	06/16/05 17:34	07/21/05	800	M	+			
CS-137	2007	5.07E-03	4.76E-02	**7.99E-02**	pCi/g Dry		88.9	g dry	06/16/05 17:34	07/12/05	4500	Sec	U		No	

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma specturm
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

07/22/05 13:40

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25935

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID:	**NSP-SE-C1-1-0605-42**				Collect Start:	06/16/2005 17:42			Matrix:	Sediment/Silt			(SS)		
Station:					Collect Stop:				Volume:						
Description:	40 cm - 42 cm				Receive Date:	07/06/2005			% Moisture:	14.34					
LIMS Number:	L25935-7														
Radionuclide	**SOP#**	**Activity Conc**	**Uncertainty 2 Sigma**	**MDC**	**Units**	**Run #**	**Aliquot Volume**	**Aliquot Units**	**Reference Date**	**Count Date**	**Count Time**	**Count Units**	**Flag Values**		
PB-210	2015	7.75E-02	5.09E-02	**8.01E-02**	pCi/g Dry		9.68	g dry	06/16/05 17:42	07/21/05	800	M	U		
CS-137	2007	-1.53E-02	5.49E-02	**8.38E-02**	pCi/g Dry		91.79	g dry	06/16/05 17:42	07/12/05	4200	Sec	U	No	
Sample ID:	**NSP-SE-C1-1-0605-50**				Collect Start:	06/16/2005 17:50			Matrix:	Sediment/Silt			(SS)		
Station:					Collect Stop:				Volume:						
Description:	48 cm - 50 CM				Receive Date:	07/06/2005			% Moisture:	18.32					
LIMS Number:	L25935-8														
Radionuclide	**SOP#**	**Activity Conc**	**Uncertainty 2 Sigma**	**MDC**	**Units**	**Run #**	**Aliquot Volume**	**Aliquot Units**	**Reference Date**	**Count Date**	**Count Time**	**Count Units**	**Flag Values**		
PB-210	2015	**1.29E-01**	4.37E-02	6.59E-02	pCi/g Dry		9.96	g dry	06/16/05 17:50	07/21/05	800	M	+		
CS-137	2007	-1.88E-02	6.08E-02	**9.65E-02**	pCi/g Dry		83.59	g dry	06/16/05 17:50	07/12/05	4200	Sec	U	No	
Sample ID:	**NSP-SE-C1-1-0605-58**				Collect Start:	06/16/2005 17:58			Matrix:	Sediment/Silt			(SS)		
Station:					Collect Stop:				Volume:						
Description:	56 cm - 58 cm				Receive Date:	07/06/2005			% Moisture:	19.86					
LIMS Number:	L25935-9														
Radionuclide	**SOP#**	**Activity Conc**	**Uncertainty 2 Sigma**	**MDC**	**Units**	**Run #**	**Aliquot Volume**	**Aliquot Units**	**Reference Date**	**Count Date**	**Count Time**	**Count Units**	**Flag Values**		
PB-210	2015	**2.37E-01**	9.19E-02	1.25E-01	pCi/g Dry		9.37	g dry	06/16/05 17:58	07/19/05	100	M	+		
CS-137	2007	-1.00E-02	5.98E-02	**1.02E-01**	pCi/g Dry		80.97	g dry	06/16/05 17:58	07/12/05	6000	Sec	U	No	

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = [illegible] recovery

Bolded text [illegible]tes reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Raw Data Sheet (rawdata)
Jul 22 2005, 01:47 pm

Work Order: *L25935* Customer: *URS Corporation* Page: 1

Nuclide: *PB-210* Project : *UR001-3EREG-05*

Sample ID / Client ID	Run #	Analysis	Reference Date/time	Volume/ Aliquot	Scavenge Date/time	Milking Date/time	Mount Weight	Recovery	Count Date/time	Counter ID	Total counts	Sample dt(min)	Bkg counts	Bkg dt(min)	Eff.	Decay & Ingrowth Factor	Analyst
L25935-1		PB-210	16-jun-05			18-jul-05	0.0112	30.43	19-jul-05	X1A	148	100	61	100	.38	.84	SO
NSP-SE-C1-1-0605-02			17:02	9.96 g dry		10:40			17:15								
Activity: 4.05E-01 * Error: 1.35E-01 MDC: 1.7E-01																	
L25935-2		PB-210	16-jun-05			18-jul-05	0.0174	47.28	21-jul-05	Y1B	717	800	567	800	.37	.702	SO
NSP-SE-C1-1-0605-06			17:06	9.46 g dry		10:40			06:21								
Activity: 7.27E-02 * Error: 3.47E-02 MDC: 5.38E-02																	
L25935-3		PB-210	16-jun-05			18-jul-05	0.0178	48.37	21-jul-05	X2A	674	800	587	800	.38	.701	SO
NSP-SE-C1-1-0605-10			17:10	9.86 g dry		10:40			06:26								
Activity: 3.85E-02 Error: 3.14E-02 MDC: 5E-02 *																	
L25935-4		PB-210	16-jun-05			18-jul-05	0.0178	48.37	21-jul-05	X2B	853	800	587	800	.36	.701	SO
NSP-SE-C1-1-0605-18			17:18	9.99 g dry		10:40			06:26								
Activity: 1.23E-01 * Error: 3.5E-02 MDC: 5.21E-02																	
L25935-5		PB-210	16-jun-05			18-jul-05	0.0224	60.87	21-jul-05	X2C	847	800	573	800	.38	.701	SO
NSP-SE-C1-1-0605-26			17:26	9.64 g dry		10:40			06:26								
Activity: 9.86E-02 * Error: 2.71E-02 MDC: 4.02E-02																	
L25935-6		PB-210	16-jun-05			18-jul-05	0.0177	48.10	21-jul-05	X2D	764	800	550	800	.38	.701	SO
NSP-SE-C1-1-0605-34			17:34	9.7 g dry		10:40			06:26								
Activity: 9.69E-02 * Error: 3.28E-02 MDC: 4.95E-02																	
L25935-7		PB-210	16-jun-05			18-jul-05	0.0116	31.52	21-jul-05	Y3A	659	800	553	800	.36	.702	SO
NSP-SE-C1-1-0605-42			17:42	9.68 g dry		10:40			06:21								
Activity: 7.75E-02 Error: 5.09E-02 MDC: 8.01E-02 *																	
L25935-8		PB-210	16-jun-05			18-jul-05	0.0134	36.41	21-jul-05	Y3B	774	800	559	800	.37	.702	SO
NSP-SE-C1-1-0605-50			17:50	9.96 g dry		10:40			06:21								
Activity: 1.29E-01 * Error: 4.37E-02 MDC: 6.59E-02																	
L25935-9		PB-210	16-jun-05			18-jul-05	0.0202	54.89	19-jul-05	X3B	175	100	91	100	.37	.84	SO
NSP-SE-C1-1-0605-58			17:58	9.37 g dry		10:40			17:15								
Activity: 2.37E-01 * Error: 9.19E-02 MDC: 1.25E-01																	

QC Summary Report for L25935

7/25/2005 12:09:10PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

GAMMA

Method Blank Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Blank Result	Units	Qualifier	P/F
WG3043-1	CS-137	SS	07/08/2005 7:45	< 1.890E-01	pCi/g Dry	U	P

L25935 **GELI**

Associated Samples for **WG3043**

SAMPLENUM	CLIENTID
L25935-1	NSP-SE-C1-1-0605-02
L25935-2	NSP-SE-C1-1-0605-06
L25935-3	NSP-SE-C1-1-0605-10
L25935-4	NSP-SE-C1-1-0605-18
L25935-5	NSP-SE-C1-1-0605-26
L25935-6	NSP-SE-C1-1-0605-34
L25935-7	NSP-SE-C1-1-0605-42
L25935-8	NSP-SE-C1-1-0605-50
L25935-9	NSP-SE-C1-1-0605-58

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

Report of Analysis

07/25/05 13:31

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

WG3043

2508 Quality Lane

TBE-Marty Keller

TE511-LABQC

Sample ID: **Blank Samples** | Collect Start: | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: | Receive Date: 07/08/2005 | % Moisture:
LIMS Number: WG3043-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
CS-137	2007	1.19E-02	1.14E-01	**1.89E-01**	pCi/g Dry		25	G DRY	07/08/05 07:30	07/08/05	8400	Sec	U	No

Sample ID: **NSP-SE-C1-1-0605-18** | Collect Start: 06/16/2005 17:18 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: | Receive Date: 07/08/2005 | % Moisture:
LIMS Number: WG3043-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values	
CS-137	2007	-2.47E-02	2.73E-02	**3.55E-02**	pCi/g Dry		93.29	g dry	06/16/05 17:18	07/12/05	6000	Sec	U	No

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma specturm
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

QC Summary Report for L25935

7/25/2005 12:09:10PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

PB-210

Method Blank Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Blank Result	Units	Qualifier	P/F
WG3058-1	PB-210	WO	07/19/2005 17:16	< 1.040E+00	pCi/Total	U	P

LCS Sample Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Spike Value	LCS Result	Units	Spike Recovery	Range	Qualifier	P/F
WG3058-2	PB-210	WO	07/19/2005 17:16	6.35E+002	5.750E+02	pCi/Total	90.6	70-130	+	P

Spike ID: 210PB-012505
Spike conc: 6.35E+002
Spike Vol: 1.00E+000

Duplicate Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Original Result	DUP Result	Units	RPD	Range	Qualifier	P/F
WG3058-3 L25935-4	PB-210	SS	07/21/2005 6:21	1.230E-01	1.340E-01	pCi/g Dry		<50	*	NE

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

QC Summary Report for L25935

7/25/2005 12:09:10PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

L25935 **PB-210**

Associated Samples for **WG3058**

SAMPLENUM	CLIENTID
L25935-1	NSP-SE-C1-1-0605-02
L25935-2	NSP-SE-C1-1-0605-06
L25935-3	NSP-SE-C1-1-0605-10
L25935-4	NSP-SE-C1-1-0605-18
L25935-5	NSP-SE-C1-1-0605-26
L25935-6	NSP-SE-C1-1-0605-34
L25935-7	NSP-SE-C1-1-0605-42
L25935-8	NSP-SE-C1-1-0605-50
L25935-9	NSP-SE-C1-1-0605-58

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

Percent Moisture

Raw Data

PERCENT_MOISTURE

Percent Moisture Entry

Exit

Workgroup/ Login #	Status	Tare/Wet Date/Balance	Dry Date/Balance	Analyst
25935	Open	Date		
		Bal		

Query | Save

GALP

Sample #	Client ID	Anl	Tare/Wet Date	Tare/Wet Balance	Tare Weight	Wet Weight	Dry Date	Dry Balance	Dry Weight	Net Dry	% Moist
125935-1	NSP-SE-C1-1-0605-(	DW	070605	BALANCE 8	7.68	96.91	070705	BALANCE 8	76.92	69.24	22.4
125935-2	NSP-SE-C1-1-0605-(	DW	070605	BALANCE 8	7.74	88.63	070705	BALANCE 8	73.72	65.98	18.43
125935-3	NSP-SE-C1-1-0605-:	DW	070605	BALANCE 8	7.73	91.92	070705	BALANCE 8	79.95	72.22	14.22
125935-4	NSP-SE-C1-1-0605-:	DW	070605	BALANCE 8	7.73	115.88	070705	BALANCE 8	100.92	93.19	13.83
125935-5	NSP-SE-C1-1-0605-2	DW	070605	BALANCE 8	7.72	78.81	070705	BALANCE 8	68.96	61.24	13.86
125935-6	NSP-SE-C1-1-0605-:	DW	070605	BALANCE 8	7.63	113.92	070705	BALANCE 8	97.67	90.04	15.29
125935-7	NSP-SE-C1-1-0605-(	DW	070605	BALANCE 8	7.68	114.02	070705	BALANCE 8	98.77	91.09	14.34
125935-8	NSP-SE-C1-1-0605-!	DW	070605	BALANCE 8	7.65	111.2	070705	BALANCE 8	92.23	84.58	18.32
125935-9	NSP-SE-C1-1-0605-!	DW	070605	BALANCE 8	7.67	108.26	070705	BALANCE 8	88.28	80.61	19.86

L25936 URS Data Package **1**

Case Narrative **2**

Sample Receipt Summary **4**

Sample Result Summary **22**

Percent Moisture - Raw Data **31**

Gamma Spectroscopy **33**
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Raw QC Data 76
Background Data 85
Initial Calibration Data 94
Continuing Calibration Data 118
Preparation & Run Logs 143
Balance & Pipette Data 149

Lead 210 ..... **163**
Raw Sample Data 164
Raw QC Data 179
Background Data 186
Initial Calibration Data 219
Continuing Calibration Data 222
Preparation & Run Logs 262
Balance & Pipette Data 265
Standard Certificate Data 281

End of Document **285**

TELEDYNE
BROWN ENGINEERING
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931
865-690-6819 (Phone)

Work Order #: L25936

URS Corporation

August 3, 2005

TELEDYNE
BROWN ENGINEERING, IN
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Weldon Bosworth
URS
45 Hillside Drive
Gelford NH 03249

Case Narrative - L25936
UR001-3EREG-05

08/03/2005 13:28

Sample Receipt

The following samples were received on June 22, 2005 in good condition, unless otherwise noted.

Two sets of samples were recorded as NSP-SE-C1-1-0605 on the chain-of-custody. Corrected paperworked was faxed to the laboratory on July 7, 2005. This core was compressed of 30 sections. On July 4 the client provided an email indicating which samples were to be analyzed. The rest of the samples have been archived.

Cross Reference Table

Client ID	Laboratory ID	Station ID(if applicable)
NSP-SE-C2-0605-02	L25936-1	
NSP-SE-C2-0605-06	L25936-2	
NSP-SE-C2-0605-10	L25936-3	
NSP-SE-C2-0605-12	L25936-4	
NSP-SE-C2-0605-20	L25936-5	
NSP-SE-C2-0605-28	L25936-6	
NSP-SE-C2-0605-36	L25936-7	
NSP-SE-C2-0605-44	L25936-8	
NSP-SE-C2-0605-52	L25936-9	
NSP-SE-C2-0605-60	L25936-10	

Analytical Method Cross Reference Table

Radiological Parameter	TBE Knoxville Method	Reference Method
Gamma Spectrometry	TBE-2007	EPA 901.1
PB-210	TBE-2015	

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Case Narrative - L25936
UR001-3EREG-05

08/03/2005 13:28

Gamma Spectroscopy

Quality Control

Quality control samples were analyzed as WG3043.

Method Blank

All blanks were within acceptance limits, unless otherwise noted.

Duplicate Sample

Duplicates were analyzed for the following samples. All duplicate results were within acceptance limits, unless otherwise noted.

Client ID	Laboratory ID	QC Sample #
NSP-SE-C1-1-0605-18	L25935-4	WG3043-2

PB-210

Quality Control

Quality control samples were analyzed as WG3058,WG3075.

Method Blank

All blanks were within acceptance limits, unless otherwise noted.

Laboratory Control Sample

All laboratory control samples were within acceptance limits, unless otherwise noted.

Duplicate Sample

Duplicates were analyzed for the following samples. All duplicate results were within acceptance limits, unless otherwise noted.

Client ID	Laboratory ID	QC Sample #
NSP-SE-C1-1-0605-18	L25935-4	WG3058-3
NSP-SE-C2-0605-36	L25936-7	WG3075-3

Certification

This is to certify that Teledyne Brown Engineering - Environmental Services located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.

Keith Jeter
Operations Manager

Sample Receipt Summary

SEVERN TRENT STL

~~STL Burlington~~
~~208 South Park Drive, Suite~~ 1
~~SEVERN TRENT LABORATORIES, INC.~~ ~~Colchester, VT 05446 Tel 802 655 1203~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

L259..

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name: Ashland/NSP Lakefront

No/Type of Containers²

ANALYSIS REQUESTED: Radiometric Dating

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1502			NSP-SE-C1-1-0605-02					X	
		1504			-04					X	
		1506			-06					X	
		1508			-08					X	
		1510			-10					X	
		1512			-12					X	
		1514			-14					X	
		1516			-16					X	
		1518			-18					X	
↓	↓	1520			-20					X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
	6/20/05	1800	Pat Marshall	6/22/05	1000	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT **STL**

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~SEVERN TRENT LABORATORIES, INC.~~ ~~Colchester, VT 05446 Tel 802 655-1203~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

L25936

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr. Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name: Ashland/NSP Lakefront

No/Type of Containers²

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1522			NSP-SE-C1-1-0605-22					X	
		1524			-24					X	
		1526			-26					X	
		1528			-28-					X	
		1530			-30					X	
		1532			-32					X	
		1534			-34					X	
		1536			-36-					X	
		1538			-38					X	
		1540			-40					X	

ANALYSIS REQUESTED

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
	6/20/05	1800	Pat Marshall	6/22/05	1000	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes.
Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

L25936 / 6 of 285

SEVERN TRENT STL

~~SEVERN TRENT LABORATORIES, INC.~~

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~Colchester, VT 05446 Tel 802 655 1203~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

L25936

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr. Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature: Dan Miracle

Proj. No.

Project Name: Ashland / NSP Lakefront

No/Type of Containers²

ANALYSIS REQUESTED: Radiometric Dating

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1542			NSP-SE-C1-1-0605-42					X	
		1544			-44					X	
		1546			-46					X	
		1548			-48					X	
		1550			-50					X	
		1552			-52					X	
		1554			-54					X	
		1556			-56					X	
		1558			-58					X	
		1600			-60					X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
Dan Miracle	6/20/05	1800	Pat Marshall	6/22/05	1000	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

08/01/05 14:31

SR #: SR04639

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

Client: URS Corporation Project #: UR001-3EREG-05 LIMS #: L25936

Initiated By: PMARSHALL
Init Date: 06/22/05 Receive Date: 06/22/05

Notification of Variance

Person Notified: Weldon Bosworth Contacted By: R. Charles
Notify Date: 06/24/05
Notify Method:
Notify Comment:

Client Response

Person Responding:
Response Date:
Response Method:
Response Comment

	Criteria	Yes No NA	Comment
1	Shipping container custody seals present and intact.	NA	
2	Sample container custody seals present and intact.	NA	
3	Sample containers received in good condition	Y	
4	Chain of custody received with samples	Y	
5	All samples listed on chain of custody received	N	Paperwork lists two sets of samples with and ID of NSP-SE-C1-1-0605
6	Sample container labels present and legible.	Y	
7	Information on container labels correspond with chain of custody	Y	
8	Sample(s) properly preserved and in appropriate container(s)	NA	
9	Other (Describe)	NA	Number or samples exceeds purchase order amount.

URS

Facsimile

Date: 7/7/05 Page 1 of: 4

To: REBECCA CHARLES From: GARY LONG

Firm: TELEDYNE BROWN ENGINEERING cc:

Facsimile: (865) 934-0396

Subject: AMENDMENT TO ASHLAND CHAINS OF CUSTODY

Message:

REBECCA,

AS YOU INDICATED TO WELDON BOSWORTH IN YOUR EMAIL DATED 6/24/05 (13:03), ONE SET OF SAMPLES SENT TO YOU FOR RADIODATING ANALYSES WAS MISIDENTIFIED ON THE CHAIN OF CUSTODY. THE SAMPLES IDENTIFIED AS NSP-SE-CI-1-0605 PROCESSED 6/14/05 15:02 – 16:00 SHOULD BE IDENTIFIED AS NSP-SE-CZ-0605. I HAVE ATTACHED AMENDED CHAINS TO REFLECT THIS AMENDMENT.

IF YOU HAVE ANY QUESTIONS ABOUT THIS PLEASE FEEL FREE TO CALL 215 367 2476.

THANKS,

Gary Long

URS Corporation
335 Commerce Dr., Suite 300
Ft. Washington, PA 19034
Tel:215.367.2500
Fax: 215-367-1000
www.urscorp.com

CONFIDENTIALITY NOTICE
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SEVERN TRENT STL

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~SEVERN TRENT LABORATORIES, INC.~~ ~~Colchester, VT 05446 Tel 802 655 1203~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name: Ashland/NSP Lakefront

No/Type of Containers²

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1502			NSP-SE-ST-1-0605-02					X	
		1504			-04					X	
		1506			-06					X	
		1508			-08					X	
		1510			-10					X	
		[illegible]			-12					X	
		1514			-14					X	
		1516			-16					X	
		1518			-18					X	
↓	↓	1520			-20					X	

Lab Use Only
Due Date:

Temp. of coolers when received (C°):
1 | 2 | 3 | 4 | 5

Custody Seal Intact: N / Y / N / Y

Screened For Radioactivity: ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Remarks
	6/20/05	1800				
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time	Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

²Container V - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

07/07/2005 17:36 2153671000 URS CORPORATION PAGE 10/04
L25936

SEVERN TRENT STL

~~SEVERN TRENT LABORATORIES, INC.~~ ~~STL Burlington~~ ~~208 South Park Drive, Suite 1~~ ~~Colchester, VT 05446 Tel 802 655 1203~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

CHAIN OF CUSTODY RECORD

Report to:
Company: URS Corporation
Address: 10200 Innovation Dr.
Milwaukee WI 53226
Contact: Paul Sklar
Phone: 414-831-4100
Fax: 414-831-4101
Contract/Quote:

Invoice to:
Company: Same
Address:
Contact:
Phone:
Fax:

Sampler's Name: Dan Miracle
Sampler's Signature: [signature]

Proj. No.:
Project Name: Ashland NSP Lakefront
No/Type of Containers²:

ANALYSIS REQUESTED

Lab Use Only
Due Date:
Temp. of coolers when received (C²): 1 2 3 4 5
Custody Seal N / Y
Intact N / Y
Screened For Radioactivity ☐

Matrix¹	Date 2005	Time	Comp	Grab	Identifying Marks of Sample(s) C2 7/7/05	VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16	1522			NSP-SE-~~C1~~-1-0605-22					X	
		1524			-24					X	
		1526			-26					X	
		1528			-28					X	
		1530			-30					X	
		[illegible]			-32					X	
		1534			-34					X	
		1536			-36					X	
		1538			-38					X	
		1540			-40					X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
[signature]	6/20/05	1800			
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STLB234-200 (12/02)

SEVERN TRENT STL

~~SEVERN TRENT LABORATORIES, INC.~~

~~STL Burlington~~
~~208 South Park Drive, Suite 1~~
~~Colchester, VT 05446 Tel 802 655 1203~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: URS Corporation	Company: Same
Address: 10200 Innovation Dr. Milwaukee WI 53226	Address:
Contact: Paul Sklar	Contact:
Phone: 414-831-4100	Phone:
Fax: 414-831-4101	Fax:
Contract/ Quote:	

Sampler's Name: Dan Miracle

Sampler's Signature:

Proj. No.

Project Name: Ashland / NSP Lakefront

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers* VOA	A/G 1 Lt.	250 ml	P/O	Radiometric Dating	Lab/Sample ID (Lab Use Only)
S	6/16/2005	1542			NSP-SE-ET-1-0605-42					X	
		1544			-44					X	
		1546			-46					X	
		1548			-48					X	
		1550			-50					X	
		1552			-52					X	
		1554			-54					X	
		1556			-56					X	
		1558			-58					X	
		1600			-60					X	

Analysis Requested

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/20/05	1800			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

Matrix: WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil

*Container: VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - ...stic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

07/07/2005 17:36 2153671000 URS CORPORATION PAGE 12/04
L25936 285

Lynne,

These are the 180 Pb210 samples we have received. You can check with Weldon next week and find our what he wants us to do. His number is 603-524-1822.

Rebecca Charles
Teledyne Brown Engineering
Project Manager
(865) 934-0379
(865) 934-0396 (fax)

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-----Original Message-----
From: Weldon Bosworth [mailto:wbosworth@metrocast.net]
Sent: Friday, June 24, 2005 1:44 PM
To: Charles, Rebecca
Subject: RE: samples receipt variance report

I'll get back to you on this, hopefully next week. I think the plan was to do two cores and hold the others as contingency.

I will also work out the sample issues.

> -----Original Message-----
> **From:** Charles, Rebecca [mailto:Rebecca.Charles@tbe.com]
> **Sent:** Friday, June 24, 2005 1:03 PM
> **To:** wbosworth@metrocast.net
> **Subject:** samples receipt variance report
>
> Weldon,
>
> A couple of the samples were broken at receipt. C1-1-38, C3-1-50, C6-1-44 and C6-1-52 were broken and empty upon receipt. The soil was in the bottom of the cooler. C3-1-50 and C6-1-48 were broken, but salvageable. The percent moisture for these samples will not be accurate, since the samples dried out during transport.
>
> The paperwork listed two sets of samples are NSP-SE-C1-1-0605. We believe one set should have been marked C2. We identified the samples by the collection times.
>
> There are 6 cores with 30 samples for each core. That will be a total of 180 (minus 4 broken samples) for Cs-137 and Pb-210. With the level four data package, the total cost will be $44, 880. The cost for the data interpretation will be approximately $1440. The contract is for $14,190. Could you provide some

guidance on this? Generally we receive a fewer sections per core. Do you need all the depths analyzed?

Rebecca Charles
Teledyne Brown Engineering
Project Manager
(865) 934-0379
(865) 934-0396 (fax)

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Charles, Rebecca

From: Weldon Bosworth [wbosworth@metrocast.net]
Sent: Monday, July 04, 2005 7:40 AM
To: Charles, Rebecca
Cc: Chris_Reed@URSCorp.com; Paul Sklar; 'dave trainor'
Subject: Ashland Samples for age-dating

Hi Rebecca,

The attached spreadsheets indicate (by an 'x' in column C) which samples we want analyzed first. After we've seen the results from these we may select additional samples, so please archive the remainder.

Regards, Weldon

Weldon Bosworth, Ph.D.
URS
wbosworth@metrocast.net
Ph. 603.524.1822
Fx. 603.528.9674

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Sample ID	top(cm)	bottom (cm)	set #1
NSP-SE-C2-1-0605-02	0	2	x
NSP-SE-C2-1-0605-04	2	4	
NSP-SE-C2-1-0605-06	4	6	x
NSP-SE-C2-1-0605-08	6	8	
NSP-SE-C2-1-0605-10	8	10	x
NSP-SE-C2-1-0605-12	10	12	x
NSP-SE-C2-1-0605-14	12	14	
NSP-SE-C2-1-0605-16	14	16	
NSP-SE-C2-1-0605-18	16	18	
NSP-SE-C2-1-0605-20	18	20	x
NSP-SE-C2-1-0605-22	20	22	
NSP-SE-C2-1-0605-24	22	24	
NSP-SE-C2-1-0605-26	24	26	
NSP-SE-C2-1-0605-28	26	28	x
NSP-SE-C2-1-0605-30	28	30	
NSP-SE-C2-1-0605-32	30	32	
NSP-SE-C2-1-0605-34	32	34	
NSP-SE-C2-1-0605-36	34	36	x
NSP-SE-C2-1-0605-38	36	38	
NSP-SE-C2-1-0605-40	38	40	
NSP-SE-C2-1-0605-42	40	42	
NSP-SE-C2-1-0605-44	42	44	x
NSP-SE-C2-1-0605-46	44	46	
NSP-SE-C2-1-0605-48	46	48	
NSP-SE-C2-1-0605-50	48	50	
NSP-SE-C2-1-0605-52	50	52	x
NSP-SE-C2-1-0605-54	52	54	
NSP-SE-C2-1-0605-56	54	56	
NSP-SE-C2-1-0605-58	56	58	
NSP-SE-C2-1-0605-60	58	60	x

dense woo

Charles, Rebecca

From: Weldon Bosworth [wbosworth@metrocast.net]
Sent: Tuesday, July 05, 2005 4:49 PM
To: Charles, Rebecca
Subject: RE: Ashland samples

You are correct. That will teach me to try to work early on July 4th.

-----Original Message-----
From: Charles, Rebecca [mailto:Rebecca.Charles@tbe.com]
Sent: Tuesday, July 05, 2005 4:06 PM
To: Weldon Bosworth
Subject: RE: Ashland samples

Weldon,

I believe there are 28 samples marked. There are 9 from C1, 10 from C2, and 9 from C4. Please let me know if this is correct.

Thanks

Rebecca Charles
Teledyne Brown Engineering
Project Manager
(865) 934-0379
(865) 934-0396 (fax)

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-----Original Message-----
From: Weldon Bosworth [mailto:wbosworth@metrocast.net]
Sent: Monday, July 04, 2005 7:51 AM
To: Charles, Rebecca
Subject: Ashland samples

Oh, I forgot, there should be 22 samples that were selected for the first round.

Regards, Weldon

Weldon Bosworth, Ph.D.
URS
wbosworth@metrocast.net
Ph. 603.524.1822
Fx. 603.528.9674

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7-8-05

TELEDYNE BROWN ENGINEERING
2508 Quality Lane
Knoxville, TN 37931-3133

ACKNOWLEDGEMENT
This is not an invoice

Weldon Bosworth
URS
45 Hillside Drive
Gelford, NH 03249

July 08, 2005

The following sample(s) were received at Teledyne Brown Engineering Knoxville laboratory on July 06, 2005. The sample(s) have been scheduled for the analyses listed below and the report is scheduled for completion by August 05, 2005. Please review the following login information and pricing. Contact me if anything is incorrect or you have questions about the status of your sample(s).

Thank you for choosing Teledyne Brown Engineering for your analytical needs.

Sincerely,
Rebecca Charles
Project Manager
(865)934-0379

Project ID: UR001-3EREG-05
P.O. #: 103634.US
Release #:
Contract#: 103634.US
Weldon Bosworth, FAX#:--, wbosworth@metrocast.net

Client ID/ Station	Laboratory ID Analysis	Vol/Units Price	Start Collect Date/Time	End Collect Date/Time
NSP-SE-C2-0605-02	**L25936-1**		**06/16/05:1502**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C2-0605-06	**L25936-2**		**06/16/05:1506**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C2-0605-10	**L25936-3**		**06/16/05:1510**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C2-0605-12	**L25936-4**		**06/16/05:1512**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C2-0605-20	**L25936-5**		**06/16/05:1520**	
SS	GELI	111.00		
SS	PB-210	144.00		

Client ID/ Station	Laboratory ID Analysis	Vol/Units Price	Start Collect Date/Time	End Collect Date/Time
NSP-SE-C2-0605-28	**L25936-6**		**06/16/05:1528**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C2-0605-36	**L25936-7**		**06/16/05:1536**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C2-0605-44	**L25936-8**		**06/16/05:1544**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C2-0605-52	**L25936-9**		**06/16/05:1552**	
SS	GELI	111.00		
SS	PB-210	144.00		
NSP-SE-C2-0605-60	**L25936-10**		**06/16/05:1600**	
SS	GELI	111.00		
SS	PB-210	144.00		

End of document

Internal Chain of Custody

Sample #	Btl#	Relinquish Date	Relinquish By	Received By
L25936-1	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 09:03	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-2	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 09:03	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-3	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 09:03	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-4	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 09:03	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-5	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 09:03	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-6	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 14:25	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-7	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 11:38	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-8	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 14:25	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-9	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb
		07/12/2005 14:25	Donna Webb	Sample Custodian
		07/13/2005 16:15	Sample Custodian	Susan Ogletree
		07/20/2005 11:45	Susan Ogletree	Sample Custodian
L25936-10	1	07/06/2005 00:00		Sample Custodian
		07/06/2005 15:19	Sample Custodian	Donna Webb

Internal Chain of Custody

Sample #	Relinquish Date	Relinquish By	Received By
25936-10	07/12/2005 09:03	Donna Webb	Sample Custodian
	07/13/2005 16:15	Sample Custodian	Susan Ogletree
	07/20/2005 11:45	Susan Ogletree	Sample Custodian

Sample Result Summary

Report of Analysis

08/01/05 12:27

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25936

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C2-0605-02** Collect Start: 06/16/2005 15:02 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 0 cm - 2 cm Receive Date: 07/06/2005 % Moisture: 69.73
LIMS Number: L25936-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**4.16E-01**	2.19E-01	3.07E-01	pCi/g Dry		4.83	g dry	06/16/05 15:02	07/19/05	100	M	+			
CS-137	2007	7.78E-02	6.56E-02	**1.11E-01**	pCi/g Dry		12.16	g dry	06/16/05 15:02	07/07/05	54121	Sec	U		No	

Sample ID: **NSP-SE-C2-0605-06** Collect Start: 06/16/2005 15:06 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 4 cm - 6 cm Receive Date: 07/06/2005 % Moisture: 64.81
LIMS Number: L25936-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**4.44E-01**	1.14E-01	1.34E-01	pCi/g Dry		8.61	g dry	06/16/05 15:06	07/19/05	100	M	+			
CS-137	2007	8.62E-03	4.31E-02	**6.82E-02**	pCi/g Dry		20.92	g dry	06/16/05 15:06	07/11/05	57300	Sec	U		No	

Sample ID: **NSP-SE-C2-0605-10** Collect Start: 06/16/2005 15:10 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 8 cm - 10 cm Receive Date: 07/06/2005 % Moisture: 36.22
LIMS Number: L25936-3

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.40E-01**	2.62E-02	3.65E-02	pCi/g Dry		9.91	g dry	06/16/05 15:10	07/27/05	800	M	+			
CS-137	2007	-4.39E-02	4.99E-02	**7.27E-02**	pCi/g Dry		24.15	g dry	06/16/05 15:10	07/07/05	54781	Sec	U		No	

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

08/01/05 12:27

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25936

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C2-0605-12** Collect Start: 06/16/2005 15:12 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 10 cm -12 cm Receive Date: 07/06/2005 % Moisture: 20.56
LIMS Number: L25936-4

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.09E-01**	2.91E-02	4.30E-02	pCi/g Dry		9.62	g dry	06/16/05 15:12	07/27/05	800	M	+			
CS-137	2007	-1.74E-02	2.62E-02	**4.22E-02**	pCi/g Dry		47.22	g dry	06/16/05 15:12	07/11/05	57001	Sec	U		No	

Sample ID: **NSP-SE-C2-0605-20** Collect Start: 06/16/2005 15:20 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 18 cm - 20 cm Receive Date: 07/06/2005 % Moisture: 17.93
LIMS Number: L25936-5

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.04E-01**	2.38E-02	3.43E-02	pCi/g Dry		9.79	g dry	06/16/05 15:20	07/27/05	800	M	+			
CS-137	2007	3.87E-03	1.75E-02	**3.02E-02**	pCi/g Dry		49.71	g dry	06/16/05 15:20	07/11/05	55500	Sec	U		No	

Sample ID: **NSP-SE-C2-0605-28** Collect Start: 06/16/2005 15:28 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 26 cm - 28 cm Receive Date: 07/06/2005 % Moisture: 18.53
LIMS Number: L25936-6

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**7.37E-02**	3.56E-02	5.53E-02	pCi/g Dry		9.74	g dry	06/16/05 15:28	07/27/05	800	M	+			
CS-137	2007	-1.90E-02	4.27E-02	**6.12E-02**	pCi/g Dry		73.15	g dry	06/16/05 15:28	07/12/05	6000	Sec	U		No	

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

08/01/05 12:27

L25936

URS

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C2-0605-36** Collect Start: 06/16/2005 15:36 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 34 cm - 36 cm Receive Date: 07/06/2005 % Moisture: 19.07
LIMS Number: L25936-7

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.46E-01**	2.57E-02	3.47E-02	pCi/g Dry		10	g dry	06/16/05 15:36	07/28/05	800	M	+			
CS-137	2007	-1.76E-02	5.80E-02	**9.26E-02**	pCi/g Dry		86	g dry	06/16/05 15:36	07/12/05	6000	Sec	U			No

Sample ID: **NSP-SE-C2-0605-44** Collect Start: 06/16/2005 15:44 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 42 cm - 44 cm Receive Date: 07/06/2005 % Moisture: 18.49
LIMS Number: L25936-8

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.14E-01**	2.72E-02	3.93E-02	pCi/g Dry		9.78	g dry	06/16/05 15:44	07/27/05	800	M	+			
CS-137	2007	-1.44E-02	4.69E-02	**7.68E-02**	pCi/g Dry		73.23	g dry	06/16/05 15:44	07/12/05	6000	Sec	U			No

Sample ID: **NSP-SE-C2-0605-52** Collect Start: 06/16/2005 15:52 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: 50 cm - 52 cm Receive Date: 07/06/2005 % Moisture: 17.96
LIMS Number: L25936-9

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values			
PB-210	2015	**1.12E-01**	3.83E-02	5.77E-02	pCi/g Dry		9.8	g dry	06/16/05 15:52	07/27/05	800	M	+			
CS-137	2007	-2.74E-02	5.41E-02	**8.39E-02**	pCi/g Dry		80.77	g dry	06/16/05 15:52	07/12/05	6000	Sec	U			No

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

08/01/05 12:27

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L25936

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID:	**NSP-SE-C2-0605-60**	Collect Start: 06/16/2005 16:00	Matrix:	Sediment/Silt	(SS)
Station:		Collect Stop:	Volume:		
Description:	58 cm -60 cm	Receive Date: 07/06/2005	% Moisture:	19.35	
LIMS Number:	L25936-10				

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.25E-01**	2.95E-02	4.29E-02	pCi/g Dry		9.75	g dry	06/16/05 16:00	07/27/05	800	M	+		
CS-137	2007	-7.94E-03	1.99E-02	**3.23E-02**	pCi/g Dry		44.5	g dry	06/16/05 16:00	07/07/05	55081	Sec	U		No

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text in ... es reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

QC Summary Report for L25936

8/1/2005 2:00:34PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

GAMMA

Method Blank Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Blank Result	Units	Qualifier	P/F
WG3043-1	CS-137	SS	07/08/2005 7:45	< 1.890E-01	pCi/g Dry	U	P

L25936 **GELI**

Associated Samples for **WG3043**

SAMPLENUM	CLIENTID
L25936-1	NSP-SE-C2-0605-02
L25936-2	NSP-SE-C2-0605-06
L25936-3	NSP-SE-C2-0605-10
L25936-4	NSP-SE-C2-0605-12
L25936-5	NSP-SE-C2-0605-20
L25936-6	NSP-SE-C2-0605-28
L25936-7	NSP-SE-C2-0605-36
L25936-8	NSP-SE-C2-0605-44
L25936-9	NSP-SE-C2-0605-52
L25936-10	NSP-SE-C2-0605-60

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

Report of Analysis

08/03/05 11:22

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

WG3043

2508 Quality Lane

TBE-Marty Keller

TE511-LABQC

Sample ID: **Blank Samples** | Collect Start: | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: | Receive Date: 07/08/2005 | % Moisture:
LIMS Number: WG3043-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
CS-137	2007	1.19E-02	1.14E-01	**1.89E-01**	pCi/g Dry		25	G DRY	07/08/05 07:30	07/08/05	8400	Sec	U		No

Sample ID: **NSP-SE-C1-1-0605-18** | Collect Start: 06/16/2005 17:18 | Matrix: Sediment/Silt (SS)
Station: | Collect Stop: | Volume:
Description: | Receive Date: 07/08/2005 | % Moisture:
LIMS Number: WG3043-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
CS-137	2007	-2.47E-02	2.73E-02	**3.55E-02**	pCi/g Dry		93.29	g dry	06/16/05 17:18	07/12/05	6000	Sec	U		No

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text indicates reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

QC Summary Report for L25936

8/1/2005 2:00:34PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

PB-210

Method Blank Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Blank Result	Units	Qualifier	P/F
WG3058-1	PB-210	WO	07/19/2005 17:16	< 1.040E+00	pCi/Total	U	P
WG3075-1		WO	07/27/2005 8:25	< 3.270E-01	pCi/Total	U	P

LCS Sample Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Spike Value	LCS Result	Units	Spike Recovery	Range	Qualifier	P/F
WG3058-2	PB-210	WO	07/19/2005 17:16	6.35E+002	5.750E+02	pCi/Total	90.6	70-130	+	P
Spike ID: 210PB-012505 Spike conc: 6.35E+002 Spike Vol: 1.00E+000										
WG3075-2		WO	07/26/2005 19:17	6.35E+002	5.610E+02	pCi/Total	88.3	70-130	+	P
Spike ID: 210PB-012505 Spike conc: 6.35E+002 Spike Vol: 1.00E+000										

Duplicate Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Original Result	DUP Result	Units	RPD	Range	Qualifier	P/F
WG3058-3 L25935-4	PB-210	SS	07/21/2005 6:21	1.230E-01	1.340E-01	pCi/g Dry		<50	*	NE
WG3075-3 L25936-7		SS	07/28/2005 6:36	1.460E-01	2.240E-01	pCi/g Dry		<50	*	NE

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

QC Summary Report for L25936

8/1/2005 2:00:34PM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

L25936 **PB-210**

Associated Samples for **WG3075**

SAMPLENUM	CLIENTID
L25936-3	NSP-SE-C2-0605-10
L25936-4	NSP-SE-C2-0605-12
L25936-5	NSP-SE-C2-0605-20
L25936-6	NSP-SE-C2-0605-28
L25936-7	NSP-SE-C2-0605-36
L25936-8	NSP-SE-C2-0605-44
L25936-9	NSP-SE-C2-0605-52
L25936-10	NSP-SE-C2-0605-60

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

Percent Moisture

Raw Data

PERCENT_MOISTURE

Percent Moisture Entry

Exit

Workgroup/ Login #	Status		Tare/Wet Date/Balance	Dry Date/Balance	Analyst
L25936	Open	Date			
		Bal.			

Query | Save | GALP

Sample #	Client ID	Anl	Tare/Wet Date	Tare/Wet Balance	Tare Weight	Wet Weight	Dry Date	Dry Balance	Dry Weight	Net Dry	% Moist
L25936-1	NSP-SE-C2-0605-02	DW	070605	BALANCE 8	7.69	48.23	070705	BALANCE 8	19.96	12.27	59.73
L25936-2	NSP-SE-C2-0605-06	DW	070605	BALANCE 8	7.7	64.96	070705	BALANCE 8	27.85	20.15	64.81
L25936-3	NSP-SE-C2-0605-10	DW	070605	BALANCE 8	7.71	45.95	070705	BALANCE 8	32.1	24.39	36.22
L25936-4	NSP-SE-C2-0605-12	DW	070605	BALANCE 8	7.67	67.41	070705	BALANCE 8	55.13	47.46	20.56
L25936-5	NSP-SE-C2-0605-20	DW	070605	BALANCE 8	7.68	69.04	070705	BALANCE 8	58.04	50.36	17.93
L25936-6	NSP-SE-C2-0605-28	DW	070605	BALANCE 8	7.72	97.52	070705	BALANCE 8	80.88	73.16	18.53
L25936-7	NSP-SE-C2-0605-36	DW	070605	BALANCE 8	7.69	151.14	070705	BALANCE 8	123.79	116.1	19.07
L25936-8	NSP-SE-C2-0605-44	DW	070605	BALANCE 8	7.71	97.82	070705	BALANCE 8	81.16	73.45	18.49
L25936-9	NSP-SE-C2-0605-52	DW	070605	BALANCE 8	7.65	106.54	070705	BALANCE 8	88.78	81.13	17.96
L25936-10	NSP-SE-C2-0605-60	DW	070605	BALANCE 8	7.63	62.88	070705	BALANCE 8	52.19	44.56	19.35

TELEDYNE
BROWN ENGINEERING
A Teledyne Technologies Company

2508 Quality Lane
Knoxville, TN 37931
865-690-6819 (Phone)

Work Order #: L26222

URS Corporation

September 2, 2005

Case Narrative

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Weldon Bosworth
URS
45 Hillside Drive
Gelford NH 03249

Case Narrative - L26222
UR001-3EREG-05

09/02/2005 13:53

Sample Receipt

The following samples were received on June 22, 2005 in good condition, unless otherwise noted.

Cross Reference Table

Client ID	Laboratory ID	Station ID(if applicable)
NSP-SE-C6-1B-0605-02	L26222-1	
NSP-SE-C6-1B-0605-04	L26222-2	
NSP-SE-C6-1B-0605-06	L26222-3	
NSP-SE-C6-1B-0605-08	L26222-4	
NSP-SE-C6-1B-0605-10	L26222-5	
NSP-SE-C6-1B-0605-12	L26222-6	
NSP-SE-C6-1B-0605-14	L26222-7	
NSP-SE-C6-1B-0605-16	L26222-8	
NSP-SE-C6-1B-0605-18	L26222-9	
NSP-SE-C6-1B-0605-20	L26222-10	
NSP-SE-C6-1B-0605-22	L26222-11	
NSP-SE-C6-1B-0605-24	L26222-12	
NSP-SE-C6-1B-0605-26	L26222-13	
NSP-SE-C6-1B-0605-28	L26222-14	
NSP-SE-C6-1B-0605-30	L26222-15	

Analytical Method Cross Reference Table

Radiological Parameter	TBE Knoxville Method	Reference Method
Gamma Spectrometry	TBE-2007	EPA 901.1
PB-210	TBE-2015	

TELEDYNE
BROWN ENGINEERING, I
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Case Narrative - L26222
UR001-3EREG-05

09/02/2005 13:53

Gamma Spectroscopy

Quality Control

Quality control samples were analyzed as WG3141.

Method Blank

All blanks were within acceptance limits, unless otherwise noted.

Laboratory Control Sample

All laboratory control samples were within acceptance limits, unless otherwise noted.

Duplicate Sample

Duplicates were analyzed for the following samples. All duplicate results were within acceptance limits, unless otherwise noted.

Client ID	Laboratory ID	QC Sample #	
NSP-SE-C6-1B-0605-28	L26222-14	WG3141-3	CS-137-F
NSP-SE-C6-1B-0605-28	L26222-14	WG3141-3	

PB-210

LCS failed

LCS failed for batch containing samples L26222-1 through 6. Samples were rerun and all QC was acceptable.

Quality Control

Quality control samples were analyzed as WG3147,WG3181,WG3197.

Method Blank

All blanks were within acceptance limits, unless otherwise noted.

Laboratory Control Sample

All laboratory control samples were within acceptance limits, unless otherwise noted.

Duplicate Sample

Duplicates were analyzed for the following samples. All duplicate results were within acceptance limits, unless otherwise noted.

Client ID	Laboratory ID	QC Sample #
NSP-SE-C4-1-0605-38	L26221-13R1	WG3197-3
NSP-SE-C6-1B-0605-30	L26222-15	WG3181-3

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133

Case Narrative - L26222
UR001-3EREG-05

09/02/2005 10:54

Certification

This is to certify that Teledyne Brown Engineering - Environmental Services, located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.

Keith Jeter
Operations Manager

Sample Receipt Summary

L26225

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

~~NORTHERN LAKE SERVICE, INC.~~

Analytical Laboratory and Environmental Services

~~400 North Lake Avenue • Grandon, WI 54520-1298~~

~~Tel: (715) 478-2777 • Fax: (715) 478-3050~~

~~Wisconsin Lab Cert. No. 721026460~~

~~WI DATE: 105-000330~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

70

CLIENT	
ADDRESS	
CITY	STATE / ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

SAME

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

PARAMETER

NO. 771

L26222

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Radiometric Dating	COLLECTION REMARKS (i.e. DNR Well ID #)
1.		NSP-SE-CC-16-0605-02	6/19/05	0802	SED	X	
2.		-04		:04		X	
3.		-06		:06		X	
4.		-08		:08		X	
5.		-10		:10		X	
6.		-12		:12		X	
7.		-14		:14		X	
8.		-16		:16		X	
9.		-18		:18		X	
10.		-20		:20		X	

ONE SAMPLE PER LINE

Reorder from CURTIS 1000 Midwest Operations 1-800-888-6882

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/20/05 17:00
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/20/05 17:00
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: SAME

INVOICE TO: SAME

RECEIVED AT ~~NLS~~ TBE BY (signature) Pat Marshall	DATE/TIME 6/22/05 1000	CONDITION	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

~~NORTHERN LAKE SERVICE, INC.~~ 8

Analytical Laboratory and Environmental Services

~~Wisconsin Lab Cert. No. 721026460~~

~~WI DATCP 105-000330~~

~~400 North Lake Avenue • Crandon, WI 54520-1298~~

~~Tel: (715) 478-2777 • Fax: (715) 478-3060~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

CLIENT	
ADDRESS	
CITY	STATE / ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

SAME

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

PARAMETER

NO. 771

L26222

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Radiometric Dating	COLLECTION REMARKS (i.e. DNR Well ID #)
1.		NSP-SE-L6-16-0605-22	6/19/05	08:22	SED	X	
2.		-24		:24		X	
3.		-26		:26		X	
4.		-28		:28		X	
5.		-30		:30		X	
6.		-32		:32		X	
7.		-34		:34		X	
8.		-36		:36		X	
9.		-38		:38		X	
10.		-40		:40		X	

ONE SAMPLE PER LINE

-11
-12
-13
-14
-15

Reorder from CURTIS 1000 Midwest Operations 1-800-888-6882

COLLECTED BY (signature) [signature]	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/20/05 17:00
RELINQUISHED BY (signature) [signature]	RECEIVED BY (signature)	DATE/TIME 6/20/05 17:00
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO — SAME —

INVOICE TO — SAME —

RECEIVED AT NLS BY (signature) TBE Pat Marshall	DATE/TIME 6/22/05 1000	CONDITION	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **CE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

~~NORTHERN LAKE SERVICE, INC.~~ 9c

Analytical Laboratory and Environmental Services

~~Wisconsin Lab Cert. No. 721026460~~

~~WI DATCP 105-000330~~

Teledyne Brown Engineering
2508 Quality Ln.
Knoxville TN 37931

~~400 North Lake Avenue • Grandon WI 54520-1298~~

~~Tel: (715) 478-2777 • Fax: (715) 478-3060~~

CLIENT	
ADDRESS	
CITY	STATE / ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

SAME

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

PARAMETER

NO. 771

L26222- 8/5/05

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	Radiometric Dating	COLLECTION REMARKS (i.e. DNR Well ID #)
1.		NSP-SE-CC-1b-0605-42	6/19/05	08:42	SED	X	
2.		-44		:44		X	
3.		-46		:46		X	
4.		-48		:48		X	
5.		-50		:50		X	
6.		-52		:52		X	
7.		-54		:54		X	
8.		-56		:56		X	
9.		-58		:58		X	
10.		-60		:60		X	

ONE SAMPLE PER LINE

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/20/05 12:00
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/20/05 17:00
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: SAME

INVOICE TO: SAME

RECEIVED AT ~~NLS~~ TBL BY (signature) Pat Marshall	DATE/TIME 6/22/05 1000	CONDITION	TEMP.
COOLER #:	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

Reorder from CURTIS 1000 Midwest Operations 1-800-888-6882

L 26222

Sample ID	top(cm)	bottom (cm)	set #1	
NSP-SE-C6-1b-0605-02	0	2	X	
NSP-SE-C6-1b-0605-04	2	4	X	
NSP-SE-C6-1b-0605-06	4	6	X	
NSP-SE-C6-1b-0605-08	6	8	X	
NSP-SE-C6-1b-0605-10	8	10	X	
NSP-SE-C6-1b-0605-12	10	12	X	
NSP-SE-C6-1b-0605-14	12	14	X	-Cs137
NSP-SE-C6-1b-0605-16	14	16	X	
NSP-SE-C6-1b-0605-18	16	18	X	
NSP-SE-C6-1b-0605-20	18	20	X	
NSP-SE-C6-1b-0605-22	20	22	X	-Cs137
NSP-SE-C6-1b-0605-24	22	24	X	
NSP-SE-C6-1b-0605-26	24	26	X	
NSP-SE-C6-1b-0605-28	26	28	X	-Cs137
NSP-SE-C6-1b-0605-30	28	30	X	
NSP-SE-C6-1b-0605-32	30	32		
NSP-SE-C6-1b-0605-34	32	34		
NSP-SE-C6-1b-0605-36	34	36		
NSP-SE-C6-1b-0605-38	36	38		
NSP-SE-C6-1b-0605-40	38	40		

Regards, Weldon

Weldon Bosworth, Ph.D.
URS
wbosworth@metrocast.net
Ph. 603.524.1822
Fx. 603.528.9674

This e-mail and any attachments are confidential. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

09/02/05 10:42

SR #: SR04985

Teledyne Brown Engineering
Sample Receipt Verification/Variance Report

Client: URS Corporation Project #: UR001-3EREG-05 LIMS #: L26222

Initiated By: RCHARLES
Init Date: 08/05/05 Receive Date: 08/05/05

Notification of Variance

Person Notified: Contacted By:

Notify Date:

Notify Method:

Notify Comment:

Client Response

Person Responding:

Response Date:

Response Method:

Response Comment

	Criteria	Yes	No	NA	Comment
1	Shipping container custody seals present and intact.			NA	
2	Sample container custody seals present and intact.			NA	
3	Sample containers received in good condition	Y			
4	Chain of custody received with samples	Y			
5	All samples listed on chain of custody received	Y			
6	Sample container labels present and legible.	Y			
7	Information on container labels correspond with chain of custody	Y			
8	Sample(s) properly preserved and in appropriate container(s)			NA	
9	Other (Describe)			NA	

TELEDYNE
BROWN ENGINEERING
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, Tennessee 37931
(865) 934-0379; (865) 934-0396 Fax

MEMORANDUM

To: file **Date:** August 10, 2005

From: Rebecca Charles

Subject: L26221 and L26222

Conversation with Weldon Bosworth of URS on 8/4/05.

TBE will perform gamma on two or three samples from the new core and see if Cs-137 is detectable in this core.

TELEDYNE BROWN ENGINEERING
2508 Quality Lane
Knoxville, TN 37931-3133

ACKNOWLEDGEMENT
This is not an invoice

Weldon Bosworth
URS
45 Hillside Drive
Gelford, NH 03249

August 09, 2005

The following sample(s) were received at Teledyne Brown Engineering Knoxville laboratory on June 22, 2005. The sample(s) have been scheduled for the analyses listed below and the report is scheduled for completion by September 04, 2005. Please review the following login information and pricing. Contact me if anything is incorrect or you have questions about the status of your sample(s).

Thank you for choosing Teledyne Brown Engineering for your analytical needs.

Sincerely,
Rebecca Charles
Project Manager
(865)934-0379

Project ID: UR001-3EREG-05
P.O. #: 103634.US
Release #:
Contract#: 103634.US
Weldon Bosworth, FAX#:--, wbosworth@metrocast.net

Client ID/ Station	Laboratory ID Analysis	Vol/Units Price	Start Collect Date/Time	End Collect Date/Time
NSP-SE-C6-16-0605-02	**L26222-1**		**06/19/05:0802**	
SS	PB-210	144.00		
NSP-SE-C6-16-0605-04	**L26222-2**		**06/19/05:0804**	
SS	PB-210	144.00		
NSP-SE-C6-16-0605-06	**L26222-3**		**06/19/05:0806**	
SS	PB-210	144.00		
NSP-SE-C6-16-0605-08	**L26222-4**		**06/19/05:0808**	
SS	PB-210	144.00		
NSP-SE-C6-16-0605-10	**L26222-5**		**06/19/05:0810**	
SS	PB-210	144.00		
NSP-SE-C6-16-0605-12	**L26222-6**		**06/19/05:0812**	
SS	PB-210	144.00		
NSP-SE-C6-16-0605-14	**L26222-7**		**06/19/05:0814**	

Internal Chain of Custody

Sample #	Btl#	Relinquish Date	Relinquish By	Received By
26222-1	1	06/23/2005 00:00		Sample Custodian
		08/29/2005 09:36	Sample Custodian	Greg Kinard
		08/29/2005 14:15	Greg Kinard	Sample Custodian
L26222-2	1	06/23/2005 00:00		Sample Custodian
		08/29/2005 09:36	Sample Custodian	Greg Kinard
		08/29/2005 14:15	Greg Kinard	Sample Custodian
L26222-3	1	06/23/2005 00:00		Sample Custodian
		08/29/2005 09:36	Sample Custodian	Greg Kinard
		08/29/2005 14:15	Greg Kinard	Sample Custodian
L26222-4	1	06/23/2005 00:00		Sample Custodian
		08/29/2005 09:36	Sample Custodian	Greg Kinard
		08/29/2005 14:15	Greg Kinard	Sample Custodian
L26222-5	1	06/23/2005 00:00		Sample Custodian
		08/29/2005 09:36	Sample Custodian	Greg Kinard
		08/29/2005 14:15	Greg Kinard	Sample Custodian
L26222-6	1	06/23/2005 00:00		Sample Custodian
		08/29/2005 09:36	Sample Custodian	Greg Kinard
		08/29/2005 14:15	Greg Kinard	Sample Custodian
L26222-7	1	06/23/2005 00:00		Sample Custodian
		08/10/2005 12:21	Sample Custodian	Donna Webb
		08/15/2005 09:42	Donna Webb	Sample Custodian
		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian
L26222-8	1	06/23/2005 00:00		Sample Custodian
		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian
L26222-9	1	06/23/2005 00:00		Sample Custodian
		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian
L26222-10	1	06/23/2005 00:00		Sample Custodian
		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian
L26222-11	1	06/23/2005 00:00		Sample Custodian
		08/10/2005 12:21	Sample Custodian	Donna Webb
		08/15/2005 09:42	Donna Webb	Sample Custodian
		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian
L26222-12	1	06/23/2005 00:00		Sample Custodian
		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian
L26222-13	1	06/23/2005 00:00		Sample Custodian
		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian
L26222-14	1	06/23/2005 00:00		Sample Custodian
		08/10/2005 12:21	Sample Custodian	Donna Webb
		08/15/2005 09:42	Donna Webb	Sample Custodian

Teledyne Brown Engineering
Internal Chain of Custody

Sample #		Relinquish Date	Relinquish By	Received By
L26222-14		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian
L26222-15	1	06/23/2005 00:00		Sample Custodian
		08/23/2005 15:28	Sample Custodian	Greg Kinard
		08/29/2005 09:37	Greg Kinard	Sample Custodian

Analytical Results Summary

Report of Analysis

09/02/05 09:00

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L26222

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C6-1B-0605-02** Collect Start: 06/19/2005 08:02 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 52.39
LIMS Number: L26222-1

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**2.10E-01**	3.37E-02	4.58E-02	pCi/g Dry	R1	9.7761	g dry	06/19/05 08:02	09/01/05	800	M	+

Sample ID: **NSP-SE-C6-1B-0605-04** Collect Start: 06/19/2005 08:04 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 43.48
LIMS Number: L26222-2

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**2.73E-01**	5.05E-02	7.10E-02	pCi/g Dry	R1	9.304	g dry	06/19/05 08:04	09/01/05	800	M	+

Sample ID: **NSP-SE-C6-1B-0605-06** Collect Start: 06/19/2005 08:06 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 28.24
LIMS Number: L26222-3

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**8.55E-02**	3.97E-02	6.13E-02	pCi/g Dry	R1	10.2395	g dry	06/19/05 08:06	09/01/05	800	M	+

Sample ID: **NSP-SE-C6-1B-0605-08** Collect Start: 06/19/2005 08:08 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 35.39
LIMS Number: L26222-4

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**6.18E-02**	3.12E-02	4.85E-02	pCi/g Dry	R1	10.3518	g dry	06/19/05 08:08	09/01/05	800	M	+

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = *Activity concentration exceeds customer reporting value*
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text **tes reportable value.**

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

09/02/05 09:00

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L26222

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C6-1B-0605-10** Collect Start: 06/19/2005 08:10 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 40.96
LIMS Number: L26222-5

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**8.16E-02**	4.24E-02	6.60E-02	pCi/g Dry	R1	10.2378	g dry	06/19/05 08:10	09/01/05	800	M	+

Sample ID: **NSP-SE-C6-1B-0605-12** Collect Start: 06/19/2005 08:12 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 43.11
LIMS Number: L26222-6

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**1.00E-01**	3.06E-02	4.56E-02	pCi/g Dry	R1	10.1402	g dry	06/19/05 08:12	09/01/05	800	M	+

Sample ID: **NSP-SE-C6-1B-0605-14** Collect Start: 06/19/2005 08:14 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 46.85
LIMS Number: L26222-7

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**1.02E-01**	4.07E-02	6.25E-02	pCi/g Dry		10.0696	g dry	06/19/05 08:14	08/25/05	800	M	+
CS-137	2007	-4.21E-02	1.09E-01	**1.73E-01**	pCi/g Dry		31.14	g dry	06/19/05 08:14	08/11/05	6600	Sec	U No

Sample ID: **NSP-SE-C6-1B-0605-16** Collect Start: 06/19/2005 08:16 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 44.42
LIMS Number: L26222-8

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**1.30E-01**	4.12E-02	6.22E-02	pCi/g Dry		10.4062	g dry	06/19/05 08:16	08/25/05	800	M	+

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
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L = Low recovery
H = High recovery

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Yes = Peak identified in gamma spectrum
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MDC - Minimum Detectable Concentration

Bolded text indicates reportable value.

Report of Analysis

09/02/05 09:00

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L26222

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C6-1B-0605-18** Collect Start: 06/19/2005 08:18 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 52.88
LIMS Number: L26222-9

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.15E-01**	3.65E-02	5.48E-02	pCi/g Dry		10.1533	g dry	06/19/05 08:18	08/25/05	800	M	+		

Sample ID: **NSP-SE-C6-1B-0605-20** Collect Start: 06/19/2005 08:20 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 64.56
LIMS Number: L26222-10

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**2.08E-01**	3.91E-02	5.52E-02	pCi/g Dry		8.9083	g dry	06/19/05 08:20	08/25/05	800	M	+		

Sample ID: **NSP-SE-C6-1B-0605-22** Collect Start: 06/19/2005 08:22 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 57.27
LIMS Number: L26222-11

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.80E-01**	3.11E-02	4.33E-02	pCi/g Dry		10.0799	g dry	06/19/05 08:22	08/25/05	800	M	+		
CS-137	2007	1.06E-02	7.14E-02	**1.05E-01**	pCi/g Dry		21.02	g dry	06/19/05 08:22	08/11/05	60000	Sec	U		No

Sample ID: **NSP-SE-C6-1B-0605-24** Collect Start: 06/19/2005 08:24 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 55.12
LIMS Number: L26222-12

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values		
PB-210	2015	**1.69E-01**	3.54E-02	5.06E-02	pCi/g Dry		10.0319	g dry	06/19/05 08:24	08/25/05	800	M	+		

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

Bolded text ... tes reportable value.

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Report of Analysis

09/02/05 09:00

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

L26222

URS

Weldon Bosworth

UR001-3EREG-05

Sample ID: **NSP-SE-C6-1B-0605-26** Collect Start: 06/19/2005 08:26 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 37.72
LIMS Number: L26222-13

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**1.34E-01**	3.45E-02	5.06E-02	pCi/g Dry		10.1504	g dry	06/19/05 08:26	08/25/05	800	M	+

Sample ID: **NSP-SE-C6-1B-0605-28** Collect Start: 06/19/2005 08:28 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 15.53
LIMS Number: L26222-14

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	5.08E-02	3.24E-02	**5.12E-02**	pCi/g Dry		10.077	g dry	06/19/05 08:28	08/25/05	800	M	U
CS-137	2007	1.13E-02	1.02E-01	**1.74E-01**	pCi/g Dry		47.8	g dry	06/19/05 08:28	08/11/05	3600	Sec	U No

Sample ID: **NSP-SE-C6-1B-0605-30** Collect Start: 06/19/2005 08:30 Matrix: Sediment/Silt (SS)
Station: Collect Stop: Volume:
Description: Receive Date: 06/22/2005 % Moisture: 15.28
LIMS Number: L26222-15

Radionuclide	SOP#	Activity Conc	Uncertainty 2 Sigma	MDC	Units	Run #	Aliquot Volume	Aliquot Units	Reference Date	Count Date	Count Time	Count Units	Flag Values
PB-210	2015	**1.26E-01**	3.30E-02	4.86E-02	pCi/g Dry		10.1565	g dry	06/19/05 08:30	08/25/05	800	M	+

Flag Values
U = Compound/Analyte not detected or less thar. 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma specturm
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

Bolded text indicates reportable value.

QC Summary Report for L26222

9/2/2005 10:55:10AM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

GAMMA

Method Blank Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Blank Result	Units	Qualifier	P/F
WG3141-1	CS-137	SS	08/11/2005 7:32	< 1.918E-01	pCi/g Dry	U	P

L26222 GELI

Associated Samples for WG3141

SAMPLENUM	CLIENTID
L26222-7	NSP-SE-C6-1B-0605-14
L26222-11	NSP-SE-C6-1B-0605-22
L26222-14	NSP-SE-C6-1B-0605-28

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

QC Summary Report for L26222

9/2/2005 10:55:10AM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

PB-210

Method Blank Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Blank Result	Units	Qualifier	P/F
WG3181-1	PB-210	WO	08/25/2005 7:26	< 5.990E-01	pCi/Total	U	P
WG3197-1		WO	09/01/2005 6:51	< 4.570E-01	pCi/Total	U	P

LCS Sample Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Spike Value	LCS Result	Units	Spike Recovery	Range	Qualifier	P/F
WG3181-2	PB-210	WO	08/25/2005 7:26	6.35E+002	6.490E+02	pCi/Total	102.2	70-130	+	P
Spike ID: 210PB-012505 Spike conc: 6.35E+002 Spike Vol: 1.00E+000										
WG3197-2		WO	09/01/2005 6:51	6.35E+002	5.150E+02	pCi/Total	81.1	70-130	+	P
Spike ID: 210PB-012505 Spike conc: 6.35E+002 Spike Vol: 1.00E+000										

Duplicate Summary

TBE Sample ID	Radionuclide	Matrix	Count Date/Time	Original Result	DUP Result	Units	RPD	Range	Qualifier	P/F
WG3181-3 L26222-15	PB-210	SS	08/25/2005 7:26	1.260E-01	1.090E-01	pCi/g Dry		<50	*	NE
WG3197-3 L26221-13R1		SS	09/01/2005 6:51	2.430E-01	2.080E-01	pCi/g Dry		<50	*	NE

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

QC Summary Report for L26222

9/2/2005 10:55:10AM

TELEDYNE BROWN ENGINEERING
A Teledyne Technologies Company

L26222 **PB-210**

Associated Samples for **WG3197**

SAMPLENUM	CLIENTID
L26222-1R1	NSP-SE-C6-1B-0605-02
L26222-2R1	NSP-SE-C6-1B-0605-04
L26222-3R1	NSP-SE-C6-1B-0605-06
L26222-4R1	NSP-SE-C6-1B-0605-08
L26222-5R1	NSP-SE-C6-1B-0605-10
L26222-6R1	NSP-SE-C6-1B-0605-12

+	Positive Result
U	Compound/analyte was analyzed, peak not identified and/or not detected above MDC
*	< 5 times the MDC are not evaluated
**	Nuclide not detected
***	Spiking level < 5 times activity
P	Pass
F	Fail
NE	Not evaluated

Percent Moisture

Raw Data

Run Date: 09/02/2005

Percent Moisture Report

L26222

Sample#	Client ID	Tare Wt	Wet Wt	Dry Wt	Tare Balance/Date		Dry Balance/Date		Analyst	% Moist
L26222-1	NSP-SE-C6-1B-0605-02	8.24	58.82	32.32	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	52.39
L26222-1R1	NSP-SE-C6-1B-0605-02	8.24	58.82	32.32	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	52.39
L26222-2	NSP-SE-C6-1B-0605-04	8.23	56.18	35.33	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	43.48
L26222-2R1	NSP-SE-C6-1B-0605-04	8.23	56.18	35.33	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	43.48
L26222-3	NSP-SE-C6-1B-0605-06	7.65	55.67	42.11	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	28.24
L26222-3R1	NSP-SE-C6-1B-0605-06	7.65	55.67	42.11	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	28.24
L26222-4	NSP-SE-C6-1B-0605-08	7.6	63.43	43.67	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	35.39
L26222-4R1	NSP-SE-C6-1B-0605-08	7.6	63.43	43.67	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	35.39
L26222-5	NSP-SE-C6-1B-0605-10	7.66	65.38	41.74	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	40.96
L26222-5R1	NSP-SE-C6-1B-0605-10	7.66	65.38	41.74	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	40.96
L26222-6	NSP-SE-C6-1B-0605-12	7.64	59.6	37.2	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	43.11
L26222-6R1	NSP-SE-C6-1B-0605-12	7.64	59.6	37.2	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	43.11
L26222-7	NSP-SE-C6-1B-0605-14	7.75	66.38	38.91	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	46.85
L26222-8	NSP-SE-C6-1B-0605-16	7.72	68.59	41.55	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	44.42
L26222-9	NSP-SE-C6-1B-0605-18	7.84	57.78	31.37	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	52.88
L26222-10	NSP-SE-C6-1B-0605-20	7.76	59.03	25.93	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	64.56
L26222-11	NSP-SE-C6-1B-0605-22	7.76	56.95	28.78	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	57.27
L26222-12	NSP-SE-C6-1B-0605-24	7.72	53.02	28.05	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	55.12
L26222-13	NSP-SE-C6-1B-0605-26	7.71	59.96	40.25	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	37.72
L26222-14	NSP-SE-C6-1B-0605-28	7.72	64.4	55.6	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	15.53
L26222-15	NSP-SE-C6-1B-0605-30	7.61	68.55	59.24	BALANCE 8	08/10/05	BALANCE 8	08/11/05	DW	15.28

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: 93308
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: NSP/Ashland Lakefront
PO # 15688375

Soil, NSP-SE-SQT14-0905-A NLS ID: 387049
Ref. Line 1 COC 80941 Soil, NSP-SE-SQT14-0905-A Matrix: SO
Collected: 09/27/05 15:30 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1500	mg/Kg DWB	1	8.5	32	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.4	5.0	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[2.4]	mg/Kg DWB	20	1.1	4.0	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	9.3	mg/Kg DWB	1	0.20	0.41	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.11]	mg/Kg DWB	1	0.041	0.14	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.30	1.1	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	3400	mg/Kg DWB	1	6.1	12	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.4	mg/Kg DWB	1	0.61	2.2	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.7]	mg/Kg DWB	1	0.57	2.0	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	3.6	mg/Kg DWB	1	0.24	0.89	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.3	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5100	mg/Kg DWB	1	1.1	4.2	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.6	24	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	620	mg/Kg DWB	1	6.1	12	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	56	mg/Kg DWB	1	0.13	0.41	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	5.2	mg/Kg DWB	1	1.4	5.2	10/17/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	200	mg/Kg DWB	1	15	53	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.5	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.59	2.1	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	43	mg/Kg DWB	1	1.3	4.9	10/18/05	SW846 6010	721026460
Solids, total on solids	72.0	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	5.9	10/20/05	SW846 7841	721026460
Vanadium, tot recoverable as V by ICP	13	mg/Kg DWB	1	0.35	1.3	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	10	mg/Kg DWB	1	0.27	0.81	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQT14-0905-B NLS ID: 387050
Ref. Line 2 COC 80941 Soil, NSP-SE-SQT14-0905-B Matrix: SO
Collected: 09/27/05 15:40 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1500	mg/Kg DWB	1	7.9	29	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.7	5.9	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.3	4.7	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	9.8	mg/Kg DWB	1	0.19	0.38	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.17	mg/Kg DWB	1	0.038	0.13	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.28	1.0	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	680	mg/Kg DWB	1	5.7	11	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	4.9	mg/Kg DWB	1	0.57	2.0	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	2.1	mg/Kg DWB	1	0.53	1.8	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	3.5	mg/Kg DWB	1	0.22	0.83	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.4	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5500	mg/Kg DWB	1	1.1	3.9	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.1	22	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	610	mg/Kg DWB	1	5.7	11	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	55	mg/Kg DWB	1	0.12	0.38	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.6]	mg/Kg DWB	1	1.3	4.8	10/17/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	190	mg/Kg DWB	1	14	49	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.6	5.4	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.55	2.0	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	25	mg/Kg DWB	1	1.2	4.5	10/18/05	SW846 6010	721026460
Solids, total or solids	73.0	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.0	7.0	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	14	mg/Kg DWB	1	0.33	1.2	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	11	mg/Kg DWB	1	0.25	0.75	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQT14-0905-C MS/MSD NLS ID: 387051
Ref. Line 3 CCC 80941 Soil, NSP-SE-SQT14-0905-C MS/M Matrix: SO
Collected: 09/27/05 15:50 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot recoverable as Al by ICP	1900	mg/Kg DWB	1	8.4	31	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.9	6.8	10/24/05	SW846 7041	721026460
	Matrix spikes on this sample were outside control limits at 41% and 51%. The analytical spike was in control at 96%.							
Arsenic, tot. recoverable as As by furnace AAS	[1.7]	mg/Kg DWB	20	1.5	5.4	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	12	mg/Kg DWB	1	0.20	0.40	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.17	mg/Kg DWB	1	0.040	0.14	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.30	1.1	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	780	mg/Kg DWB	1	6.0	12	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.5	mg/Kg DWB	1	0.60	2.1	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	2.0	mg/Kg DWB	1	0.56	2.0	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.0	mg/Kg DWB	1	0.24	0.88	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.9	5.6	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5700	mg/Kg DWB	1	1.1	4.2	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	6.5	24	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	770	mg/Kg DWB	1	6.0	12	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	69	mg/Kg DWB	1	0.13	0.40	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.4]	mg/Kg DWB	1	1.4	5.1	10/17/05	SW846 6010	721026460
Potassium, tot recoverable as K by ICP	240	mg/Kg DWB	1	14	53	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.8	6.2	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.58	2.1	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	29	mg/Kg DWB	1	1.3	4.8	10/18/05	SW846 6010	721026460
Solids, total on solids	70.8	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.3	8.1	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	13	mg/Kg DWB	1	0.35	1.3	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	11	mg/Kg DWB	1	0.27	0.80	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	SW846 3550B	721026460

NORTHERN LAKE SERVICE, INC.
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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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQT14-0905-D NLS ID: 387052
Ref. Line 4 COC 80941 Soil, NSP-SE-SQT14-0905-D Matrix: SO
Collected: 09/27/05 16:00 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1500	mg/Kg DWB	1	6.9	26	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.5	5.2	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	[1.2]	mg/Kg DWB	20	1.2	4.2	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	9.9	mg/Kg DWB	1	0.16	0.33	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.14	mg/Kg DWB	1	0.033	0.11	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.24	0.88	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	1200	mg/Kg DWB	1	4.9	9.8	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.0	mg/Kg DWB	1	0.49	1.7	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.5]	mg/Kg DWB	1	0.46	1.6	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	3.7	mg/Kg DWB	1	0.19	0.72	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.7	5.2	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5200	mg/Kg DWB	1	0.92	3.4	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.3	19	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	640	mg/Kg DWB	1	4.9	9.8	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	56	mg/Kg DWB	1	0.11	0.33	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.3]	mg/Kg DWB	1	1.1	4.2	10/17/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	200	mg/Kg DWB	1	12	43	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.4	4.7	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.48	1.7	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	26	mg/Kg DWB	1	1.1	3.9	10/18/05	SW846 6010	721026460
Solids, total or solids	73.7	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	6.2	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	12	mg/Kg DWB	1	0.29	1.0	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	10	mg/Kg DWB	1	0.22	0.66	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	SW846 3550B	721026460

NORTHERN [illegible]E 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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQT14-0905-E NLS ID: 387053
Ref. Line 5 COC 80941 Soil, NSP-SE-SQT14-0905-E Matrix: SO
Collected: 09/27/05 16:10 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1800	mg/Kg DWB	1	6.5	24	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.4	5.1	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.1	4.0	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	12	mg/Kg DWB	1	0.16	0.31	10/19/05	SW846 6010	721026460
Beryllium, tot recoverable as Be by ICP	0.19	mg/Kg DWB	1	0.031	0.11	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.23	0.84	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	800	mg/Kg DWB	1	4.7	9.3	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	5.9	mg/Kg DWB	1	0.47	1.6	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	1.8	mg/Kg DWB	1	0.43	1.5	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	4.3	mg/Kg DWB	1	0.18	0.68	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.3	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	5700	mg/Kg DWB	1	0.87	3.2	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[5.6]	mg/Kg DWB	1	5.0	18	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	770	mg/Kg DWB	1	4.7	9.3	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	73	mg/Kg DWB	1	0.10	0.31	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.5]	mg/Kg DWB	1	1.1	3.9	10/17/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	230	mg/Kg DWB	1	11	41	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.3	4.6	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.45	1.6	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	29	mg/Kg DWB	1	1.0	3.7	10/18/05	SW846 6010	721026460
Solids, total on solids	74.1	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.7	6.0	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	14	mg/Kg DWB	1	0.27	0.99	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	12	mg/Kg DWB	1	0.21	0.62	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQT13-0905-A NLS ID: 387054
Ref. Line 1 COC 80940 Soil, NSP-SE-SQT13-0905-A Matrix: SO
Collected: 09/27/05 10:30 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	6.3	23	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.3	4.5	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.0	3.6	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.5	mg/Kg DWB	1	0.15	0.30	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	0.11	mg/Kg DWB	1	0.030	0.10	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.22	0.81	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	460	mg/Kg DWB	1	4.5	9.0	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	3.2	mg/Kg DWB	1	0.45	1.6	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.1]	mg/Kg DWB	1	0.42	1.5	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.3	mg/Kg DWB	1	0.18	0.66	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.8	5.5	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3500	mg/Kg DWB	1	0.84	3.1	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	4.9	18	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	470	mg/Kg DWB	1	4.5	9.0	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	34	mg/Kg DWB	1	0.099	0.30	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[1.9]	mg/Kg DWB	1	1.0	3.8	10/17/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	170	mg/Kg DWB	1	11	39	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.2	4.1	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.43	1.6	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	28	mg/Kg DWB	1	0.99	3.6	10/18/05	SW846 6010	721026460
Solids, total on solids	70.7	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.5	5.3	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.0	mg/Kg DWB	1	0.26	0.96	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	8.6	mg/Kg DWB	1	0.20	0.60	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	SW846 3550B	721026460

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

ANALYTICAL R[illegible]PORT

WDNR Laboratory ID No. 721026460
WIDATCP 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: 93308
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: NSP/Ashland Lakefront
PO # 15688375

Soil, NSP-SE-SQT13-0905-B NLS ID: 387055
Ref. Line 2 COC 80940 Soil, NSP-SE-SQT13-0905-B Matrix: SO
Collected: 09/27/05 10:40 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	8.6	32	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.8	6.5	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.4	5.1	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	7.7	mg/Kg DWB	1	0.20	0.41	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.061]	mg/Kg DWB	1	0.041	0.14	10/19/05	SW846 6010	721026460
Cadmium, tot recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.30	1.1	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	440	mg/Kg DWB	1	6.1	12	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	3.2	mg/Kg DWB	1	0.61	2.2	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[0.86]	mg/Kg DWB	1	0.57	2.0	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.2	mg/Kg DWB	1	0.24	0.90	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.0	5.8	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3400	mg/Kg DWB	1	1.1	4.2	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[7.4]	mg/Kg DWB	1	6.6	24	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	450	mg/Kg DWB	1	6.1	12	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	35	mg/Kg DWB	1	0.13	0.41	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.2]	mg/Kg DWB	1	1.4	5.2	10/17/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	190	mg/Kg DWB	1	15	53	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.7	5.9	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.59	2.1	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	30	mg/Kg DWB	1	1.3	4.9	10/18/05	SW846 6010	721026460
Solids, total on solids	68.6	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.2	7.6	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	7.2	mg/Kg DWB	1	0.36	1.3	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	8.6	mg/Kg DWB	1	0.27	0.82	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQT13-0905-C NLS ID: 387056
Ref. Line 3 COC 80940 Soil, NSP-SE-SQT13-0905-C Matrix: SO
Collected: 09/27/05 10:50 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1200	mg/Kg DWB	1	9.6	36	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.7	6.2	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.4	4.9	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	8.3	mg/Kg DWB	1	0.23	0.46	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.087]	mg/Kg DWB	1	0.046	0.16	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.34	1.2	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	470	mg/Kg DWB	1	6.9	14	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	3.2	mg/Kg DWB	1	0.69	2.4	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.2]	mg/Kg DWB	1	0.64	2.2	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.4	mg/Kg DWB	1	0.27	1.0	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.9	5.7	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3400	mg/Kg DWB	1	1.3	4.8	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	7.4	27	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	490	mg/Kg DWB	1	6.9	14	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	36	mg/Kg DWB	1	0.15	0.46	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.0]	mg/Kg DWB	1	1.6	5.8	10/17/05	SW846 6010	721026460
Potassium, tot recoverable as K by ICP	210	mg/Kg DWB	1	17	60	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.6	5.6	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.67	2.4	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	33	mg/Kg DWB	1	1.5	5.5	10/18/05	SW846 6010	721026460
Solids, total or solids	68.1	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.1	7.3	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	8.0	mg/Kg DWB	1	0.40	1.5	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	9.0	mg/Kg DWB	1	0.31	0.92	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	SW846 3550B	721026460

NORTHERN [illegible] 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. 105-960
EPA Laboratory ID No. WI00034

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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQT13-0905-D NLS ID: 387057
Ref. Line 4 COC 80940 Soil, NSP-SE-SQT13-0905-D Matrix: SO
Collected: 09/27/05 11:00 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1600	mg/Kg DWB	1	7.2	27	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.6	5.6	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.2	4.4	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	10	mg/Kg DWB	1	0.17	0.34	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	1.5	mg/Kg DWB	1	0.034	0.12	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.25	0.92	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	540	mg/Kg DWB	1	5.1	10	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	3.7	mg/Kg DWB	1	0.51	1.8	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.4]	mg/Kg DWB	1	0.48	1.7	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.8	mg/Kg DWB	1	0.20	0.75	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	2.0	5.8	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	4200	mg/Kg DWB	1	0.96	3.6	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.5	20	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	620	mg/Kg DWB	1	5.1	10	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	44	mg/Kg DWB	1	0.11	0.34	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.8]	mg/Kg DWB	1	1.2	4.4	10/17/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	240	mg/Kg DWB	1	12	45	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.5	5.0	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.50	1.8	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	36	mg/Kg DWB	1	1.1	4.1	10/18/05	SW846 6010	721026460
Solids, total on solids	68.2	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.9	6.6	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	9.1	mg/Kg DWB	1	0.30	1.1	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	11	mg/Kg DWB	1	0.23	0.69	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQT13-0905-E NLS ID: 387058
Ref. Line 5 COC 80940 Soil, NSP-SE-SQT13-0905-E Matrix: SO
Collected: 09/27/05 11:10 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1300	mg/Kg DWB	1	7.6	28	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.7	6.1	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	1.4	4.9	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	8.4	mg/Kg DWB	1	0.18	0.36	10/19/05	SW846 6010	721026460
Beryllium, tot recoverable as Be by ICP	[0.11]	mg/Kg DWB	1	0.036	0.13	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	ND	mg/Kg DWB	1	0.27	0.98	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	490	mg/Kg DWB	1	5.4	11	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	3.7	mg/Kg DWB	1	0.54	1.9	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.2]	mg/Kg DWB	1	0.51	1.8	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.4	mg/Kg DWB	1	0.21	0.80	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.9	5.7	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3600	mg/Kg DWB	1	1.0	3.8	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	ND	mg/Kg DWB	1	5.9	21	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	520	mg/Kg DWB	1	5.4	11	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	35	mg/Kg DWB	1	0.12	0.36	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[3.0]	mg/Kg DWB	1	1.3	4.6	10/17/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	190	mg/Kg DWB	1	13	48	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.6	5.6	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.53	1.9	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	29	mg/Kg DWB	1	1.2	4.4	10/18/05	SW846 6010	721026460
Solids, total on solids	70.6	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	2.0	7.2	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	7.8	mg/Kg DWB	1	0.32	1.2	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	9.5	mg/Kg DWB	1	0.24	0.73	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	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

Project: NSP/Ashland Lakefront

NLS Project: 93308
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100
PO # 15688375

Soil, NSP-SE-SQ DUP01-0905 NLS ID: 387059
Ref. Line 6 COC 80940 Soil, NSP-SE-SQ DUP01-0905 Matrix: SO
Collected: 09/27/05 00:00 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP	1400	mg/Kg DWB	1	8.4	31	10/21/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	mg/Kg DWB	20	1.2	4.3	10/24/05	SW846 7041	721026460
	The matrix spikes on this sample were out of control at 40 %, and 52 %. The analytical spike was also out of control at 121%.							
Arsenic, tot. recoverable as As by furnace AAS	ND	mg/Kg DWB	20	0.97	3.4	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP	9.0	mg/Kg DWB	1	0.20	0.40	10/19/05	SW846 6010	721026460
Beryllium, tot. recoverable as Be by ICP	[0.096]	mg/Kg DWB	1	0.040	0.14	10/19/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP	[0.33]	mg/Kg DWB	1	0.30	1.1	10/17/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP	1700	mg/Kg DWB	1	6.0	12	10/18/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP	3.6	mg/Kg DWB	1	0.60	2.1	10/17/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP	[1.2]	mg/Kg DWB	1	0.56	2.0	10/19/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP	2.9	mg/Kg DWB	1	0.24	0.88	10/17/05	SW846 6010	721026460
Cyanide, tot. (distilled) on solids	ND	mg/Kg DWB	1	1.9	5.5	10/04/05	EPA 335.4M	721026460
Iron, tot. recoverable as Fe by ICP	3700	mg/Kg DWB	1	1.1	4.2	10/18/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP	[7.4]	mg/Kg DWB	1	6.5	24	10/21/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP	510	mg/Kg DWB	1	6.0	12	10/18/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP	39	mg/Kg DWB	1	0.13	0.40	10/19/05	SW846 6010	721026460
Mercury, total as Hg on solids	ND	mg/Kg DWB	1	0.079	0.28	10/05/05	SW846 7470A	721026460
Nickel, tot. recoverable as Ni by ICP	[2.7]	mg/Kg DWB	1	1.4	5.1	10/17/05	SW846 6010	721026460
Potassium tot. recoverable as K by ICP	190	mg/Kg DWB	1	14	53	10/18/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	mg/Kg DWB	20	1.1	3.9	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP	ND	mg/Kg DWB	1	0.58	2.1	10/17/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	34	mg/Kg DWB	1	1.3	4.8	10/18/05	SW846 6010	721026460
Solids, total or solids	70.8	%	1	0.10*		09/30/05	ASTM D2216	721026460
Thallium, tot. recoverable by furnace AAS	ND	mg/Kg DWB	20	1.4	5.1	10/20/05	SW846 7841	721026460
Vanadium, tot. recoverable as V by ICP	9.2	mg/Kg DWB	1	0.35	1.3	10/19/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP	10	mg/Kg DWB	1	0.27	0.80	10/17/05	SW846 6010	721026460
Metals digestion - tot. recov. (solid) GF	yes					10/13/05	SW846 3050M	721026460
Metals digestion - tot. recov (solid) ICP	yes					10/13/05	SW846 3050M	721026460
VOCs (solid) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
Semivolatile GC/MS by 8270C (soil)	see attached					10/20/05	SW846 8270C	721026460
Ultrasonic Extraction by 3550B	yes					10/10/05	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: 93308
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: NSP/Ashland Lakefront
PO # 15688375

NSP-SQ Equip Blank 01-0905 NLS ID: 387060
Ref. Line 7 COC 80940 NSP-SQ Equip Blank 01-0905 Matrix: GW
Collected: 09/27/05 20:14 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Aluminum, tot. recoverable as Al by ICP-Trace	[0.013]	mg/L	1	0.010	0.020	10/13/05	SW846 6010	721026460
Antimony, tot. recoverable as Sb by furnace AAS	ND	ug/L	1	2.0	7.1	10/24/05	SW846 7041	721026460
Arsenic, tot. recoverable as As by furnace AAS	ND	ug/L	1	1.6	5.6	10/24/05	SW846 7060	721026460
Barium, tot. recoverable as Ba by ICP-Trace	ND	ug/L	1	2.5*	5.0	10/13/05	SW846 6010	721026460
Beryllium, tot recoverable as Be by ICP-Trace	ND	ug/L	1	0.17	0.50	10/13/05	SW846 6010	721026460
Cadmium, tot. recoverable as Cd by ICP-Trace	ND	ug/L	1	0.17	0.50	10/13/05	SW846 6010	721026460
Calcium, tot. recoverable as Ca by ICP-Trace	ND	mg/L	1	0.15*	0.30	10/13/05	SW846 6010	721026460
Chromium, tot. recoverable as Cr by ICP-Trace	[1.1]	ug/L	1	0.45	1.4	10/13/05	SW846 6010	721026460
Cobalt, tot. recoverable as Co by ICP-Trace	ND	ug/L	1	0.67	2.0	10/13/05	SW846 6010	721026460
Copper, tot. recoverable as Cu by ICP-Trace	ND	ug/L	1	1.3	4.0	10/13/05	SW846 6010	721026460
Cyanide, tot. (distilled) as CN	ND	mg/L	1	0.0050	0.015	10/04/05	EPA 335.4	721026460
Iron, tot. recoverable as Fe by ICP-Trace	ND	mg/L	1	0.033	0.10	10/13/05	SW846 6010	721026460
Lead, tot. recoverable as Pb by ICP-Trace	ND	ug/L	1	1.0	3.3	10/13/05	SW846 6010	721026460
Magnesium, tot. recoverable as Mg by ICP-Trace	ND	mg/L	1	0.15*	0.30	10/13/05	SW846 6010	721026460
Manganese, tot. recoverable as Mn by ICP-Trace	[1.1]	ug/L	1	1.0*	2.0	10/13/05	SW846 6010	721026460
Mercury, tot. as Hg	ND	ug/L	1	0.025	0.050	10/11/05	245.7M/ 1631M	721026460
Nickel, tot. recoverable as Ni by ICP-Trace	[0.75]	ug/L	1	0.71	2.3	10/13/05	SW846 6010	721026460
Potassium, tot. recoverable as K by ICP	ND	mg/L	1	0.36	1.3	10/21/05	SW846 6010	721026460
Selenium, tot. recoverable as Se by furnace	ND	ug/L	1	1.9	6.4	10/20/05	SW846 7740	721026460
Silver, tot. recoverable as Ag by ICP-Trace	[1.1]	ug/L	1	0.67	2.0	10/13/05	SW846 6010	721026460
Sodium, tot. recoverable as Na by ICP	ND	mg/L	1	0.033	0.12	10/21/05	SW846 6010	721026460
Thallium, tot. recoverable by furnace AAS	ND	ug/L	1	2.4	8.4	10/20/05	SW846 784[illegible]	721026460
Vanadium, tot. recoverable as V by ICP-Trace	ND	ug/L	1	0.67	2.0	10/13/05	SW846 6010	721026460
Zinc, tot. recoverable as Zn by ICP-Trace	[5.6]	ug/L	1	5.0*	10	10/13/05	SW846 6010	721026460
Metals digestion - tot. recov.ICP	yes					10/05/05	SW846 3005M	721026460
Metals digestion - tot. recov. GF	yes					10/06/05	SW846 3050M	721026460
VOCs (water) by EPA 8260	see attached					10/03/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					10/04/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					10/20/05	SW846 8270C	721026460

NSP-WQ Trip Blank 01-0905 NLS ID: 387061
Ref. Line 8 COC 80940 NSP-WQ Trip Blank 01-0905 Matrix: TB
Collected: 09/27/05 00:00 Received: 09/29/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (solid) by EPA 8260	see attached					10/03/05	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 - Soil

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: 8270SNSP** **Printed: 10/27/2005 07:08**

Sample: 387049 **Soil, NSP-SE-SQT14-0905-A** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	64%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	44%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**

Project Description: NSP/Ashland Lakefront

Project Title: **Template: 8270SNSP** **Printed: 10/27/2005 07:08**

Sample: 387050 **Soil, NSP-SE-SQT14-0905-B** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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	[160]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	66%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	42%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**

Project Description: NSP/Ashland Lakefront

Project Title: **Template: 8270SNSP** **Printed: 10/27/2005 07:08**

Sample: 387051 **Soil, NSP-SE-SQT14-0905-C MS/MSD** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	65%				
2,4,6-Tribromophenol (SURR**)	85%				
Terphenyl-d14 (SURR**)	41%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**

Project Description: NSP/Ashland Lakefront

Project Title: **Template: 8270SNSP** **Printed: 10/27/2005 07:08**

Sample: 387052 **Soil, NSP-SE-SQT14-0905-D** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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-Methy phenol	[110]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	45%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: 8270SNSP Printed: 10/27/2005 07:08**

Sample: 387053 **Soil, NSP-SE-SQT14-0905-E** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	82%				
Terphenyl-d14 (SURR**)	44%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: 8270SNSP Printed: 10/27/2005 07:08**

Sample: 387054 Soil, NSP-SE-SQT13-0905-A **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	65%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	47%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: 8270SNSP** **Printed: 10/27/2005 07:08**

Sample: 387055 **Soil, NSP-SE-SQT13-0905-B** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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	[110]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	66%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	46%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**

Project Description: NSP/Ashland Lakefront

Project Title: **Template: 8270SNSP** **Printed: 10/27/2005 07:08**

Sample: 387056 **Soil, NSP-SE-SQT13-0905-C** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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
Biphenyl	ND	ug/Kg	1	30	100
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	45%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: 8270SNSP Printed: 10/27/2005 07:08**

Sample: 387057 Soil, NSP-SE-SQT13-0905-D **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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	190	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	63%				
Phenol-d5 (SURR**)	63%				
Nitrobenzene-d5 (SURR**)	67%				
2-Fluorobiphenyl (SURR**)	68%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	47%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**

Project Description: NSP/Ashland Lakefront

Project Title: **Template: 8270SNSP** **Printed: 10/27/2005 07:08**

Sample: 387058 **Soil, NSP-SE-SQT13-0905-E** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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	290	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	65%				
Phenol-d5 (SURR**)	66%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	88%				
Terphenyl-d14 (SURR**)	50%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: 8270SNSP Printed: 10/27/2005 07:08**

Sample: 387059 **Soil, NSP-SE-SQ DUP01-0905** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	ND	ug/Kg	1	32	110
Acenaphthy ene	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	[160]	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
Biphenyl	ND	ug/Kg	1	30	130
2,6-Dimethylnaphthalene	ND	ug/Kg	1	41	140
2,3,5-Trimethylnaphthalene	ND	ug/Kg	1	35	120
1-Methylphenanthrene	ND	ug/Kg	1	39	130
Perylene	ND	ug/Kg	1	54	180
2-Fluorophenol (SURR**)	61%				
Phenol-d5 (SURR**)	62%				
Nitrobenzene-d5 (SURR**)	65%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	45%				

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

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**

Project Description: NSP/Ashland Lakefront

Project Title: **Template: 8270WNSP** **Printed: 10/27/2005 07:08**

Sample: 387060 **NSP-SQ Equip Blank 01-0905** **Collected: 09/27/05** **Analyzed: 10/20/05 -**

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**)	27%				
Nitrobenzene-d5 (SURR**)	68%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	84%				
Terphenyl-d14 (SURR**)	73%				

** 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: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: SAT2SNSP** **Printed: 10/27/2005 07:08**

Sample: 387049 **Soil, NSP-SE-SQT14-0905-A** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	111%				
Toluene-d8 (SURR**)	119%				
1-Bromo-4-Fluorobenzene (SURR**)	103%				

Sample: 387050 **Soil, NSP-SE-SQT14-0905-B** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	114%				
1-Bromo-4-Fluorobenzene (SURR**)	107%				

Sample: 387051 **Soil, NSP-SE-SQT14-0905-C MS/MSD** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	119%				
1-Bromo-4-Fluorobenzene (SURR**)	105%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**

Project Description: NSP/Ashland Lakefront

Project Title: **Template: SAT2SNSP** **Printed: 10/27/2005 07:08**

Sample: 387052 **Soil, NSP-SE-SQT14-0905-D** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	5[illegible]
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**)	113%				
Toluene-d8 (SURR**)	120%				
1-Bromo-4-Fluorobenzene (SURR**)	109%				

Sample: 387053 **Soil, NSP-SE-SQT14-0905-E** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	115%				
1-Bromo-4-Fluorobenzene (SURR**)	101%				

Sample: 387054 **Soil, NSP-SE-SQT13-0905-A** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	116%				
1-Bromo-4-Fluorobenzene (SURR**)	105%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: SAT2SNSP** **Printed: 10/27/2005 07:08**

Sample: 387055 Soil, NSP-SE-SQT13-0905-B — Collected: 09/27/05 — Analyzed: 10/03/05 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	5[illegible]
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**)	113%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Sample: 387056 Soil, NSP-SE-SQT13-0905-C — Collected: 09/27/05 — Analyzed: 10/03/05 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	5[illegible]
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**)	114%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Sample: 387057 Soil, NSP-SE-SQT13-0905-D — Collected: 09/27/05 — Analyzed: 10/03/05 -

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	ND	ug/kg	1	15	5[illegible]
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**)	113%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 93308 PO # 15688375**

Project Description: NSP/Ashland Lakefront

Project Title: **Template: SAT2SNSP** **Printed: 10/27/2005 07:08**

Sample: 387058 **Soil, NSP-SE-SQT13-0905-E** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	110%				
Toluene-d8 (SURR**)	120%				
1-Bromo-4-Fluorobenzene (SURR**)	105%				

Sample: 387059 **Soil, NSP-SE-SQ DUP01-0905** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	114%				
Toluene-d8 (SURR**)	119%				
1-Bromo-4-Fluorobenzene (SURR**)	108%				

Sample: 387061 **NSP-WQ Trip Blank 01-0905** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	113%				
1-Bromo-4-Fluorobenzene (SURR**)	102%				

Customer: URS Corporation (Milwaukee) NLS Project: 93308 PO # 15688375

Project Description: NSP/Ashland Lakefront

Project Title: Template: SAT2SNSP Printed: 10/27/2005 07:08

** 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: 93308 PO # 15688375**
Project Description: NSP/Ashland Lakefront
Project Title: **Template: SAT2NSP** **Printed: 10/27/2005 07:08**

Sample: 387060 **NSP-SQ Equip Blank 01-0905** **Collected: 09/27/05** **Analyzed: 10/03/05 -**

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**)	103%				
Toluene-d8 (SURR**)	105%				
1-Bromo-4-Fluorobenzene (SURR**)	95%				

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

SAMPLE C LECTION AND CHAIN OF CUSTODY REC RD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 80941

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr. Suite 500
CITY / STATE / ZIP	Milwaukee / WI / 53226
PROJECT DESCRIPTION / NO.	NSP/Ashland Lakefront
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414 831 4100
PURCHASE ORDER NO.	25688375
FAX	414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	G	C	C	VOCs	SVOCs	Metals	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	387049	NSP-SE-SQT14-0905-A	9/27/05	1530	SED				2	2	1	
2.	387050	NSP-SE-SQT14-0905-B	9/27/05	1540	SED				2	2	1	
3.	387051	NSP-SE-SQT14-0905-C	9/27/05	1550	SED				2	2	1	MS/MSD
4.	387052	NSP-SE-SQT14-0905-D	9/27/05	1600	SED				2	2	1	
5.	387053	NSP-SE-SQT14-0905-E	9/27/05	1610	SED				2	2	1	
6.												
7.												
8.												
9.												
10.												

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 9/27/05 1630
RELINQUISHED BY (signature) 9/28/05 1130	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 9-29-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 34-16	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE. **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 80940

CLIENT	URS Corp.
ADDRESS	10200 Innovation Dr. Suite 500
CITY / STATE / ZIP	Milwaukee WI 53226
PROJECT DESCRIPTION / NO.	NSP/Ashland Lakefront
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414/837/4100
PURCHASE ORDER NO.	25688375
FAX	414/837/4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: N/G	N/C	N/C	N/C										COLLECTION REMARKS (i.e. DNR Well ID #)
							VOCs-Grab	SVOCs	metals	cyanide									
1.	387054	NSP-SE-SQT13-0905-A	9/27/05	1030	SED		2	2	1										
2.	387055	NSP-SE-SQT13-0905-B	9/27/05	1040	SED		2	2	1										
3.	387056	NSP-SE-SQT13-0905-C	9/27/05	1050	SED		2	2	1										
4.	387057	NSP-SE-SQT13-0905-D	9/27/05	1100	SED		2	2	1										
5.	387058	NSP-SE-SQT13-0905-E	9/27/05	1110	SED		2	2	1										
6.	387059	NSP-SE-SQDUP01-0905	9/27/05	—	~~Water~~ SED		2	2	1										
7.	387060	NSP-SQEQUIPBLANK 01-0905	9/27/05	2014	Water		3	2	1	1									
8.	387061	NSP-WATERPBLANK01-0905	9/27/05	—	~~Water~~ Aqueous		3												
9.					Neat														
10.																			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 9/27/05 1130
RELINQUISHED BY (signature) 9/28/05 1150	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 9/29/05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 34-87	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. THE PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 110087

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

December 5, 2005

Mr. Paul Sklar
URS Corporation
10200 Innovation Drive
Suite 500
Milwaukee, WI 53226

Re: Laboratory Project No. 25000
Case: 25000; SDG: 110087

Dear Mr. Sklar:

Enclosed are the analytical results for samples received by STL Burlington on September 29, 2005. This report is sequentially numbered starting with page 1 and ending with page 503. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 09/29/05 ETR No: 110087		
640373	NSP-SE-SQT13-0905-A	09/27/05	Sediment
640374	NSP-SE-SQT13-0905-B	09/27/05	Sediment
640375	NSP-SE-SQT13-0905-C	09/27/05	Sediment
640376	NSP-SE-SQT13-0905-D	09/27/05	Sediment
640377	NSP-SE-SQT13-0905-E	09/27/05	Sediment
640378	NSP-SE-SQDUP01-0905	09/27/05	Sediment
640379	NSP-SE-SQT14-0905-A	09/27/05	Sediment
640380	NSP-SE-SQT14-0905-B	09/27/05	Sediment
640381	NSP-SE-SQT14-0905-C	09/27/05	Sediment
640381DP	NSP-SE-SQT14-0905CREP	09/27/05	Sediment
640381MD	NSP-SE-SQT14-0905-CMSD	09/27/05	Sediment
640382	NSP-SE-SQT14-0905-D	09/27/05	Sediment
640383	NSP-SE-SQT14-0905-E	09/27/05	Sediment

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The original Total Organic Carbon analyses of the samples in this delivery group occurred within holding time, and were associated with a method blank that yielded the presence of carbon at a concentration above reporting limit, based on the average of three separate analyses. One of the three analyses of the method blank was an outlier, as the average of the other two was below reporting limit. These samples were all re-analyzed beyond the prescribed holding time on sequences with acceptable method blanks, and yielded generally similar results to the first acquisition. The laboratory has reported data from the original analyses that were within holding time, and provided the subsequent analyses in the raw data.

Please note that the metals analysis of sample NSP-SE-SQT14-0905 associated with the AVSSEM preparation of the samples in this delivery group yielded matrix spike recovery of mercury below control criteria as well as elevated duplicate RPD values for copper and nickel.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

Jim Madison
Project Manager

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

001533

STL4149 (1202)

Client	Project Manager	Date	Page 1 of
URS CORP.	PAUL SKLAR	9/28/05	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
10200 INNOVATION DR	414 771 4100 / 414 771 4101		
City / **State** / **Zip Code**	**Site Contact**		
MILWAUKEE / WI / 53226			
Project Number/Name	**Carrier/Waybill Number**		
ASHLAND / NSP LAKEFRONT			
Contract/Purchase Order/Quote Number			

Sample I.D Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	TOC/GRAIN SIZE	ANALYSIS
NSP-SE-SQT13-0905-A	9/27/05	1030	SE	16oz/40z	AMBER	2	ICE		1	1
NSP-SE-SQT13-0905-B	9/27/05	1040	SE	16oz		1			1	
NSP-SE-SQT13-0905-C	9/27/05	1050	SE	16oz		1			1	
NSP-SE-SQT13-0905-D	9/27/05	1100	SE	16oz		1			1	
NSP-SE-SQT13-0905-E	9/27/05	1110	SE	16oz		1			1	
NSP-SE-SQDUP01-0905	9/27/05	—	SE	16oz/40z	AMBER	2	ICE		1	1
NSP-SE-SQT14-0905-A	9/27/05	1530	SE	16oz		1			1	
NSP-SE-SQT14-0905-B	9/27/05	1540	SE	16oz		1			1	
NSP-SE-SQT14-0905-C	9/27/05	1550	SE	16oz/40z		5	1	MS/MSD	2	3
NSP-SE-SQT14-0905-D	9/27/05	1600	SE	16oz		1			1	
NSP-SE-SQT14-0905-E	9/27/05	1610	SE	16oz	AMBER	1	ICE		1	

Special Instructions

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☒ Normal ☐ Rush ☐ Other _____

QC Level

☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mary L. Lay	9/28/05	1130	1. Received By:	9-29-05	1200
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

SEVERN TRENT STL

Sample Data Summary Package For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT13-0905-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640373

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 70.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		70.0	
AVS	Acid Volatile Sulfide	10/08/05	BLKSU100805A	mg/Kg	1	22.4	39.1	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	714	2750	

Printed on: 12/02/05 04:50 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT13-0905-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640374

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 69.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		69.6	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	718	2420	

Printed on: 12/02/05 04:50 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT13-0905-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640375

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 64.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		64.4	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	776	2540	

Printed on: 12/02/05 04:50 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT13-0905-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640376

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 55.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		55.3	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	904	3070	

Printed on: 12/02/05 04:50 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT13-0905-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640377

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 63.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		63.4	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	789	2930	

Printed on: 12/02/05 04:50 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQDUP01-0905

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640378

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 66.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		66.0	
AVS	Acid Volatile Sulfide	10/08/05	BLKSU100805A	mg/Kg	1	23.7	65.3	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	758	3620	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT14-0905-A

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640379

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 63.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		63.1	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	792	3300	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT14-0905-B

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640380

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 60.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		60.1	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	832	4250	

Printed on: 12/02/05 04:50 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT14-0905-C

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640381

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 68.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		68.5	
AVS	Acid Volatile Sulfide	10/08/05	BLKSU100805A	mg/Kg	1	22.8	34.2	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	730	3750	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT14-0905-D

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640382

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 67.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		67.9	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	736	4850	

Printed on: 12/02/05 04:50 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
NSP-SE-SQT14-0905-E

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640383

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 69.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	10/11/05	N/A	%	1.0		69.8	
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	1	716	3540	

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WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000

Matrix: SOIL | Client: URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK100705A	IN847	TOC by Lloyd Kahn	1070	mg/Kg		1	500	10/07/05	BLKLK100705A
BLKSU100805A	AVS	Acid Volatile Sulfide	16.0	mg/Kg	U	1	16.0	10/08/05	BLKSU100805A

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WET CHEMISTRY

Matrix Spike Sample Report Summary

Client Sample No.
NSP-SE-SQT14-0905-CMS

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640381MS

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 68.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Matrix Spike Result Conc.	Qual.	Sample Result Conc.	Qual.	Spike Added	% Rec.	Control Limit
AVS	Acid Volatile Sulfide	10/08/05	BLKSU100805A	mg/Kg	408		34.2		1490	25	85-115
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	95900		3750		94900	97	75-125

Printed on: 12/02/05 04:50 PM

WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.
NSP-SE-SQT14-0905CRE

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000 | Lab Sample ID: 640381DP

Matrix: SEDIMENT | Client: URSCO9 | Date Received: 09/29/05

% Solids: 71.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD*
IN623	Solids, Percent	10/11/05	N/A	%	68.5		71.7		5
AVS	Acid Volatile Sulfide	10/08/05	BLKSU100805A	mg/Kg	34.2		56.4		49
IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	3750		3390		10

** Control Limit for RPD is +/- 20%, unless otherwise specified.*

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WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON | Contract: 25688375 | SDG No.: 110087

Lab Code: STLVT | Case No.: 25000

Matrix: SOIL | Client: URSCO9

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Rec.	Control Limit
LCSLK100705A	IN847	TOC by Lloyd Kahn	10/07/05	BLKLK100705A	mg/Kg	8420	8400	100	75-125
LCSSU100805A	AVS	Acid Volatile Sulfide	10/08/05	BLKSU100805A	mg/Kg	932	1050	89	85-115

Printed on: 12/02/05 04:50 PM

SEVERN TRENT STL

Sample Data Summary Package For Metals

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQT13-0905-A

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 110087

Matrix: Sediment Client: URSCO9 Lab Sample ID: 640373

% Solids: 70.0 Date Received: 09/29/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.014	umole/g	B		0.0019	11/25/2005	14:26	PBSEM100805A
SW6010B	Copper	0.052	umole/g	B		0.017	11/25/2005	14:26	PBSEM100805A
SW6010B	Lead	0.016	umole/g	B		0.0048	11/25/2005	14:26	PBSEM100805A
SW6010B	Nickel	0.044	umole/g	B		0.027	11/25/2005	14:26	PBSEM100805A
SW6010B	Zinc	0.14	umole/g			0.0090	11/25/2005	14:26	PBSEM100805A
SW7471A	Mercury	ND	umole/g	U		0.00085	10/25/2005	12:44	PBSEMHG100805
AVS	Acid Volatile Sulfide	1.2	umole/g			0.70	10/08/2005	0730	BLKSU100805A
	Ratio of SEM*/AVS	0.22							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQDUP01-0905

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 110087

Matrix: Sediment Client: URSCO9 Lab Sample ID: 640378

% Solids: 66.0 Date Received: 09/29/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0049	umole/g	B		0.0020	11/25/2005	14:31	PBSEM100805A
SW6010B	Copper	0.047	umole/g	B		0.019	11/25/2005	14:31	PBSEM100805A
SW6010B	Lead	0.0072	umole/g	B		0.0053	11/25/2005	14:31	PBSEM100805A
SW6010B	Nickel	0.072	umole/g	B		0.029	11/25/2005	14:31	PBSEM100805A
SW6010B	Zinc	0.48	umole/g			0.0096	11/25/2005	14:31	PBSEM100805A
SW7471A	Mercury	ND	umole/g	U		0.00095	10/25/2005	12:47	PBSEMHG100805
AVS	Acid Volatile Sulfide	2.0	umole/g			0.74	10/08/2005	0730	BLKSU100805A
	Ratio of SEM*/AVS	0.30							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQT14-0905CREP

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 110087

Matrix: Sediment Client: URSCO9 Lab Sample ID: 640381DP

% Solids: 71.7 Date Received: 09/29/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0032	umole/g	B		0.0019	11/25/2005	14:52	PBSEM100805A
SW6010B	Copper	0.66	umole/g			0.017	11/25/2005	14:52	PBSEM100805A
SW6010B	Lead	0.012	umole/g	B		0.0049	11/25/2005	14:52	PBSEM100805A
SW6010B	Nickel	1.5	umole/g			0.027	11/25/2005	14:52	PBSEM100805A
SW6010B	Zinc	0.14	umole/g			0.0092	11/25/2005	14:52	PBSEM100805A
SW7471A	Mercury	ND	umole/g	U		0.00088	10/25/2005	12:53	PBSEMHG100805
AVS	Acid Volatile Sulfide	1.8	umole/g			0.70	10/08/2005	0730	BLKSU100805A
	Ratio of SEM*/AVS	1.3							

*SEM is user defined to include the sum of the concentration of each metal reported with this case.

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

NSP-SE-SQT14-0905-C

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 110087

Matrix: Sediment Client: URSCO9 Lab Sample ID: 640381

% Solids: 68.5 Date Received: 09/29/2005

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	0.0022	umole/g	B		0.0019	11/25/2005	14:35	PBSEM100805A
SW6010B	Copper	0.044	umole/g	B		0.017	11/25/2005	14:35	PBSEM100805A
SW6010B	Lead	0.0082	umole/g	B		0.0048	11/25/2005	14:35	PBSEM100805A
SW6010B	Nickel	ND	umole/g	U		0.027	11/25/2005	14:35	PBSEM100805A
SW6010B	Zinc	0.14	umole/g			0.0093	11/25/2005	14:35	PBSEM100805A
SW7471A	Mercury	ND	umole/g	U		0.00090	10/25/2005	12:50	PBSEMHG100805
AVS	Acid Volatile Sulfide	1.1	umole/g			0.71	10/08/2005	0730	BLKSU100805A
	Ratio of SEM*/AVS	0.17							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

AVS/SEM Analysis Data Summary

CLIENT SAMPLE NO.

PBLK1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SDG No.: 110087

Matrix: SOIL Client: URSCO9 Lab Sample ID: PBLK1

% Solids: Date Received:

Method	Parameter	Conc.	Units	Qual	MDL	RL	Run Date	Run Time	Preparation Batch
SW6010B	Cadmium	ND	umole/g	U		0.0013	11/25/2005	14:13	PBSEM100805A
SW6010B	Copper	ND	umole/g	U		0.012	11/25/2005	14:13	PBSEM100805A
SW6010B	Lead	ND	umole/g	U		0.0035	11/25/2005	14:13	PBSEM100805A
SW6010B	Nickel	ND	umole/g	U		0.019	11/25/2005	14:13	PBSEM100805A
SW6010B	Zinc	0.024	umole/g	B		0.0065	11/25/2005	14:13	PBSEM100805A
SW7471A	Mercury	ND	umole/g	U		0.00060	10/25/2005	12:30	PBSEMHG100805
AVS	Acid Volatile Sulfide	ND	umole/g	U		0.50	10/08/2005	0730	BLKSU100805A
	Ratio of SEM*/AVS	NA							

**SEM is user defined to include the sum of the concentration of each metal reported with this case.*

TOTAL METALS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: _____ SDG No.: 110087

SOW No.: _____

EPA Sample No.	Lab Sample ID.
NSP-SE-SQDUP01-0905	640378
NSP-SE-SQT13-0905-A	640373
NSP-SE-SQT14-0905-C	640381
NSP-SE-SQT14-0905CD	640381DP
NSP-SE-SQT14-0905-CS	640381MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

TOTAL METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

NSP-SE-SQDUP01-0905

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Matrix (soil/water): SEDIMENT Lab Sample ID: 640378

Level (low/med): LOW Date Received: 9/29/2005

% Solids: 66.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.55	B		P
7440-50-8	Copper	3.0	B	*	P
7439-92-1	Lead	1.5	B		P
7439-97-6	Mercury	0.19	U	N	CV
7440-02-0	Nickel	4.2	B	*	P
7440-66-6	Zinc	31.6			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

TOTAL METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

NSP-SE-SQT13-0905-A

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Matrix (soil/water): SEDIMENT Lab Sample ID: 640373

Level (low/med): LOW Date Received: 9/29/2005

% Solids: 70.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.6	B		P
7440-50-8	Copper	3.3	B	*	P
7439-92-1	Lead	3.4	B		P
7439-97-6	Mercury	0.17	U	N	CV
7440-02-0	Nickel	2.6	B	*	P
7440-66-6	Zinc	9.3			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

TOTAL METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
NSP-SE-SQT14-0905-C

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Matrix (soil/water): SEDIMENT Lab Sample ID: 640381

Level (low/med): LOW Date Received: 9/29/2005

% Solids: 68.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	0.25	B		P
7440-50-8	Copper	2.8	B	*	P
7439-92-1	Lead	1.7	B		P
7439-97-6	Mercury	0.18	U	N	CV
7440-02-0	Nickel	1.6	U	*	P
7440-66-6	Zinc	9.1			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

TOTAL METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	2.99	99.7	5.0	5.00	100.0	5.05	101.0	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TOTAL METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	5.05	101.0	5.08	101.6	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TOTAL METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	5.02	100.4			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TOTAL METALS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cadmium	500.0	462.60	92.5	100.0	98.19	98.2	97.31	97.3	P
Copper	500.0	480.20	96.0	200.0	202.90	101.4	202.60	101.3	P
Lead	1000.0	977.60	97.8	400.0	405.40	101.4	407.80	102.0	P
Nickel	500.0	466.00	93.2	200.0	199.30	99.6	198.50	99.2	P
Zinc	500.0	471.00	94.2	200.0	196.20	98.1	195.40	97.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

TOTAL METALS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: _____ SDG No.: 110087

AA CRDL Standard Source: Inorganic Ventures

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.19	95.0					

Control Limits: no limits have been established by EPA at this time

TOTAL METALS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: _____ SDG No.: 110087

AA CRDL Standard Source: Inorganic Ventures

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Cadmium				10.0	13.34	133.4		
Copper				50.0	51.60	103.2		
Lead				6.0	4.75	79.2		
Nickel				80.0	81.00	101.2		
Zinc				40.0	43.64	109.1		

Control Limits: no limits have been established by EPA at this time

TOTAL METALS

3

BLANKS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: _____ SDG No.: 110087

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	5.0	U	5.0	U	5.0	U	5.0	U	0.125	U	CV

TOTAL METALS

3

BLANKS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: _____ SDG No.: 110087

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			5.0	U	5.0	U					CV

TOTAL METALS

3

BLANKS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium	1.4	B	0.6	U	0.6	U			0.150	U	P
Copper	3.1	U	3.1	U	3.1	U			0.775	U	P
Lead	6.4	B	2.9	U	2.9	U			0.725	U	P
Nickel	4.5	U	4.5	U	4.5	U			1.125	U	P
Zinc	1.7	U	1.7	U	1.7	U			1.579	B	P

TOTAL METALS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium	0	935	-4	951.5	101.8			
Copper	0	517	2	519.1	100.4			
Lead	0	50	-6	45.1	90.2			
Nickel	0	909	-7	932.7	102.6			
Zinc	0	910	-12	942.4	103.6			

TOTAL METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

NSP-SE-SQT14-0905-CS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Matrix (soil/water): SEDIMENT Level (low/med): LOW

% Solids for Sample: 68.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cadmium	75 - 125	82.6319		0.2495	B	87.31	94.4		P
Copper	75 - 125	86.2641		2.8403	B	87.31	95.5		P
Lead	75 - 125	84.3432		1.6767	B	87.31	94.7		P
Mercury	75 - 125	0.2364		0.1780	U	0.35	67.5	N	CV
Nickel	75 - 125	85.1116		1.6023	U	87.31	97.5		P
Zinc	75 - 125	96.3923		9.0903		87.31	100.0		P

Comments:

TOTAL METALS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

LCS100805A

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: _____ SDG No.: 110087

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cadmium	75 - 125	59.8250		0.1500	U	62.50	95.7		P
Copper	75 - 125	61.0750		0.7750	U	62.50	97.7		P
Lead	75 - 125	61.4500		0.7250	U	62.50	98.3		P
Mercury	75 - 125	0.2428		0.1250	U	0.25	97.1		CV
Nickel	75 - 125	60.6750		1.1250	U	62.50	97.1		P
Zinc	75 - 125	61.1250		1.5792	B	62.50	95.3		P

Comments:

TOTAL METALS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

NSP-SE-SQT14-0905-CA

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: _____ SDG No.: 110087

Matrix (soil/water): SEDIMENT Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Cadmium		586.80		7.01	B	500.0	116.0		P
Copper		3041.00		79.77	B	2500.0	118.4		P
Lead		283.30		47.09	B	200.0	118.1		P
Nickel		5878.00		45.00	U	5000.0	117.6		P
Zinc		6108.00		255.30		5000.0	117.1		P

Comments: _____

TOTAL METALS

6

DUPLICATES

SAMPLE NO.

NSP-SE-SQT14-0905CD

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Matrix (soil/water): SEDIMENT Level (low/med): LOW

% Solids for Sample: 68.5 % Solids for Duplicate: 71.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium		0.2495	B	0.3561	B	35.2		P
Copper	8.9	2.8403	B	42.1383		174.7	*	P
Lead		1.6767	B	2.5364	B	40.8		P
Mercury		0.1780	U	0.1763	U			CV
Nickel	14.2	1.6023	U	85.7929		200.0	*	P
Zinc	7.1	9.0903		8.8825		2.3		P

TOTAL METALS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

NSP-SE-SQT14-0905-CL

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Matrix (soil/water): SEDIMENT Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Cadmium	7.01	B	30.00	U	100.0		P
Copper	79.77	B	155.00	U	100.0		P
Lead	47.09	B	145.00	U	100.0		P
Nickel	45.00	U	225.00	U			P
Zinc	255.30		497.30	B	94.8		P

TOTAL METALS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: Date: 10/1/2005

Flame AA ID Number: LEEMAN PS200

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	5.0	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 Date: 10/1/2005

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Cadmium	226.502		5	0.6	P
Copper	324.754		25	3.1	P
Lead	220.353		10	2.9	P
Nickel	231.604		40	4.5	P
Zinc	206.200		20	1.7	P

Comments:

TOTAL METALS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 Date: 1/20/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0002800	0.0002100	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000050	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000980	0.0000000	0.0001000	0.0000020	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000220	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000530	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	-0.0006800	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000080	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0001000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0000030	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000280	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000230	0.0000000	0.0000000

Comments:

TOTAL METALS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 Date: 1/20/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		As	B	Be	Cd	Co
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0480000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	-0.0015000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002400
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0021000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

TOTAL METALS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 Date: 1/20/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Mo	Na
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0011560	0.0000000
Antimony	206.838	-0.0008700	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	-0.0000190	0.0000000	0.0000000	0.0002340	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0009490	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0002600	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0038000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0019000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0005280	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0002540	0.0000000	0.0014400	0.0015000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000860	0.0000000	0.0000000	0.0000000	0.0000000

Comments: _____

TOTAL METALS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 Date: 1/20/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	Pb	P	Sb	Se
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000870	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0001100	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0005700	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	-0.0003200	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0002200	0.0000000	0.0000000	0.0000000

Comments:

TOTAL METALS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 Date: 1/20/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Si	Sn	Sr	Ti	Tl
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0034000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000090	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0002000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001340	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0021600	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0013800	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0008000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0002400	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.1776000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0002500	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0004400	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

TOTAL METALS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 Date: 1/20/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0265000	0.0000000			
Antimony	206.838	-0.0002800	0.0000000			
Arsenic	189.042	-0.0002800	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0005800	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	-0.0001800	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0000000			
Iron	271.441	0.0234500	0.0000000			
Lead	220.353	-0.0001140	0.0000000			
Magnesium	279.079	0.0000000	0.0000000			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	0.0000000	0.0000000			
Nickel	231.604	0.0000000	0.0000000			
Phosphorus	178.287	0.0000000	0.0146000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	-0.0001200	0.0000000			
Sodium	330.232	-0.1508200	0.0582800			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0016200	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0000000	0.0000000			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	-0.0001200	0.0000000			

Comments:

TOTAL METALS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

ICP ID Number: TJA ICAP 6 Date: 10/1/2005

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Cadmium	10.00	5000.0	P
Copper	10.00	100000.0	P
Lead	10.00	100000.0	P
Nickel	10.00	50000.0	P
Zinc	10.00	10000.0	P

Comments:

TOTAL METALS

13

PREPARATION LOG

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
BLK100805A	10/8/2005	10.00	250.0
LCS100805A	10/8/2005	10.00	250.0
NSP-SE-SQDUP01-0905	10/8/2005	10.21	250.0
NSP-SE-SQT13-0905-A	10/8/2005	10.22	250.0
NSP-SE-SQT14-0905-C	10/8/2005	10.25	250.0
NSP-SE-SQT14-0905CD	10/8/2005	10.35	250.0
NSP-SE-SQT14-0905-CS	10/8/2005	10.45	250.0

TOTAL METALS

13

PREPARATION LOG

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: _____ SDG No.: 110087

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
BLK100805A	10/8/2005	10.00	250.0
LCS100805A	10/8/2005	10.00	250.0
NSP-SE-SQDUP01-0905	10/8/2005	10.21	250.0
NSP-SE-SQT13-0905-A	10/8/2005	10.22	250.0
NSP-SE-SQT14-0905-C	10/8/2005	10.25	250.0
NSP-SE-SQT14-0905CD	10/8/2005	10.35	250.0
NSP-SE-SQT14-0905-CS	10/8/2005	10.45	250.0

TOTAL METALS

14

ANALYSIS RUN LOG

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Instrument ID Number: LEEMAN PS200 Method: CV

Start Date: 10/25/2005 End Date: 10/25/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1016																X									
S0.2	1.00	1019																X									
S0.5	1.00	1022																X									
S1	1.00	1026																X									
S5	1.00	1029																X									
S10	1.00	1033																X									
ICV	1.00	1037																X									
ICB	1.00	1041																X									
CRA	1.00	1044																X									
CCV	1.00	1047																X									
CCB	1.00	1051																X									
ZZZZZZ	1.00	1054																									
ZZZZZZ	1.00	1057																									
ZZZZZZ	1.00	1100																									
ZZZZZZ	1.00	1103																									
ZZZZZZ	1.00	1107																									
ZZZZZZ	1.00	1110																									
ZZZZZZ	1.00	1113																									
ZZZZZZ	1.00	1116																									
ZZZZZZ	1.00	1120																									
CCV	1.00	1123																X									
CCB	1.00	1126																X									
ZZZZZZ	1.00	1129																									
ZZZZZZ	1.00	1132																									
ZZZZZZ	1.00	1135																									
ZZZZZZ	1.00	1139																									
ZZZZZZ	1.00	1142																									
ZZZZZZ	1.00	1145																									
ZZZZZZ	1.00	1148																									
ZZZZZZ	1.00	1151																									
ZZZZZZ	1.00	1154																									
CCV	1.00	1157																X									
CCB	1.00	1201																X									
ZZZZZZ	1.00	1204																									
ZZZZZZ	1.00	1208																									
ZZZZZZ	1.00	1211																									
ZZZZZZ	1.00	1214																									
ZZZZZZ	1.00	1217																									

TOTAL METALS

14

ANALYSIS RUN LOG

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Instrument ID Number: LEEMAN PS200 Method: CV

Start Date: 10/25/2005 End Date: 10/25/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1220																										
ZZZZZZ	1.00	1224																										
ZZZZZZ	1.00	1227																										
BLK100805A	1.00	1230																X										
CCV	1.00	1233																X										
CCB	1.00	1237																X										
LCS100805A	1.00	1240																X										
NSP-SE-SQT13-0905-A	1.00	1244																X										
NSP-SE-SQDUP01-0905	1.00	1247																X										
NSP-SE-SQT14-0905-C	1.00	1250																X										
NSP-SE-SQT14-0905CD	1.00	1253																X										
NSP-SE-SQT14-0905-C	1.00	1256																X										
CCV	1.00	1300																X										
CCB	1.00	1304																X										

TOTAL METALS

14

ANALYSIS RUN LOG

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 110087

Instrument ID Number: TJA ICAP 6 Method: P

Start Date: 11/25/2005 End Date: 11/25/2005

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1325							X				X		X				X						X	
S	1.00	1329																								
S	1.00	1333													X											
S	1.00	1337							X				X						X						X	
ICV	1.00	1342							X				X		X				X						X	
ICB	1.00	1346							X				X		X				X						X	
ICSA	1.00	1351							X				X		X				X						X	
ICSAB	1.00	1355							X				X		X				X						X	
CRI	1.00	1400							X				X		X				X						X	
CCV	1.00	1404							X				X		X				X						X	
CCB	1.00	1409							X				X		X				X						X	
BLK100805A	10.00	1413							X				X		X				X						X	
LCS100805A	1.00	1417							X				X		X				X						X	
ZZZZZZ	10.00	1422																								
NSP-SE-SQT13-0905-A	10.00	1426							X				X		X				X						X	
NSP-SE-SQDUP01-0905	*10.00*	1431							X				X		X				X						X	
NSP-SE-SQT14-0905-C	10.00	1435							X				X		X				X						X	
NSP-SE-SQT14-0905-C	50.00	1439							X				X		X				X						X	
NSP-SE-SQT14-0905-C	10.00	1444							X				X		X				X						X	
NSP-SE-SQT14-0905-C	10.00	1448							X				X		X				X						X	
NSP-SE-SQT14-0905CD	10.00	1452							X				X		X				X						X	
CCV	1.00	1457							X				X		X				X						X	
CCB	1.00	1501							X				X		X				X						X	

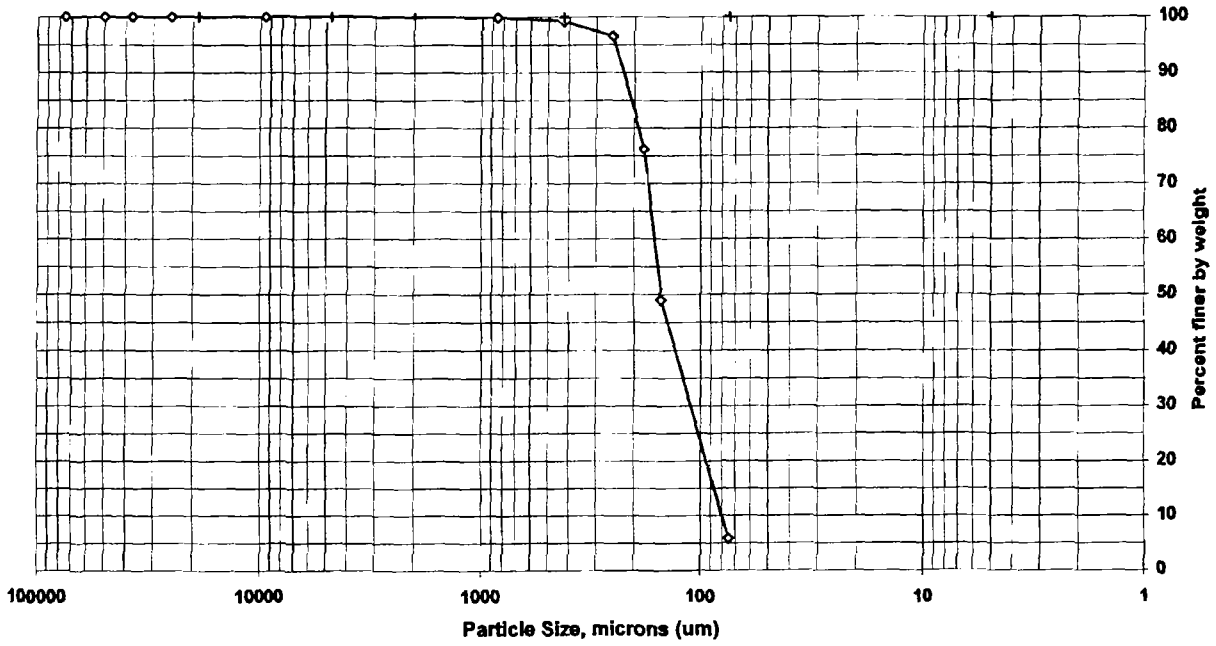
SEVERN TRENT STL

Geotechnical Analysis
Sample Data Summary Package

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT13-0905-A	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640373			**End Date:**	10/20/2005

Percent Solids:	70.2%		**Non-soil material:**	shells,leaves
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	n/a
Maximum Particle Size:	Med sand		**Hardness (> #10):**	n/a



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.9	0.1
#40	425	99.2	0.6
#60	250	96.5	2.7
#80	180	76.2	20.3
#100	150	49.0	27.2
#200	75	5.8	43.2
Hydrometer	0.0	0.0	5.8
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
V	0.0	0.0	0.0

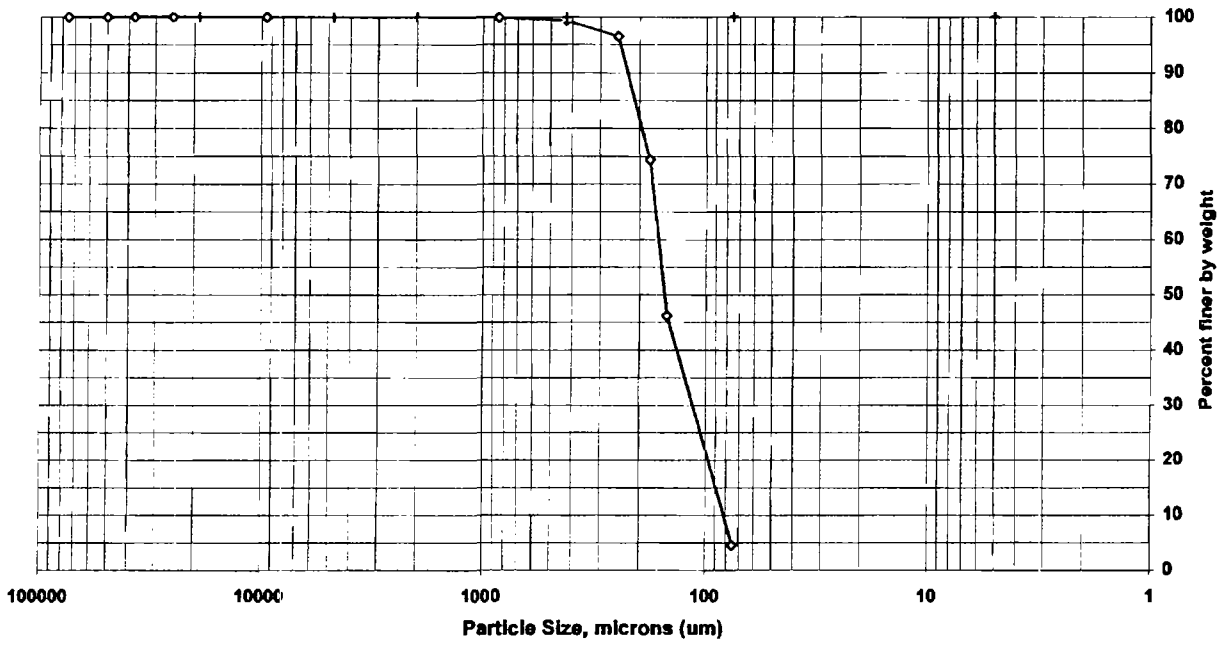
Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	94.2
Coarse Sand	0.0
Medium Sand	0.8
Fine Sand	93.4
Silt	5.8
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT13-0905-B	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640374			**End Date:**	10/20/2005

Percent Solids:	69.8%		**Non-soil material:**	shells,grass
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	n/a
Maximum Particle Size:	Med sand		**Hardness (> #10):**	n/a



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.9	0.1
#40	425	99.4	0.5
#60	250	96.5	2.9
#80	180	74.4	22.1
#100	150	46.2	28.2
#200	75	4.5	41.6
Hydrometer	0.0	0.0	4.5
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

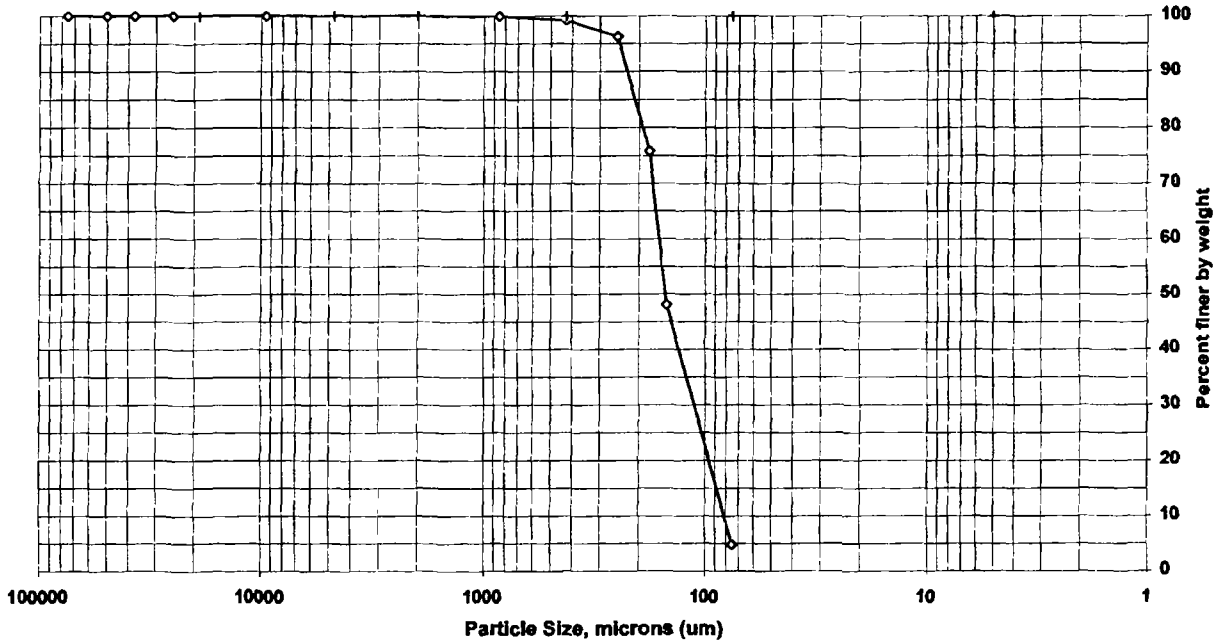
Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	95.5
Coarse Sand	0.0
Medium Sand	0.6
Fine Sand	94.8
Silt	4.5
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT13-0905-C	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640375			**End Date:**	10/20/2005

Percent Solids:	67.8%		**Non-soil material:**	shells,plants
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	n/a
Maximum Particle Size:	Med sand		**Hardness (> #10):**	n/a



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.9	0.1
#40	425	99.2	0.7
#60	250	96.3	3.0
#80	180	75.8	20.4
#100	150	48.1	27.7
#200	75	4.8	43.3
Hydrometer	0.0	0.0	4.8
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

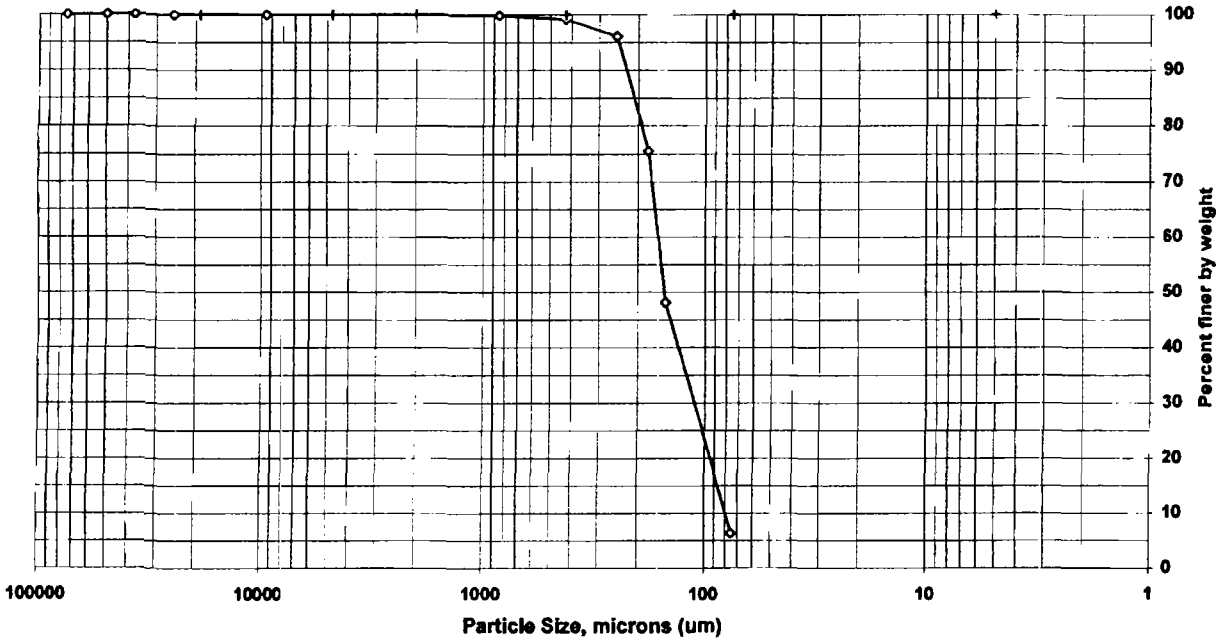
Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	95.2
Coarse Sand	0.0
Medium Sand	0.8
Fine Sand	94.4
Silt	4.8
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT13-0905-D	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640376			**End Date:**	10/20/2005

Percent Solids:	68.3%		**Non-soil material:**	shells,plants
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	n/a
Maximum Particle Size:	Med sand		**Hardness (> #10):**	n/a



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.8	0.2
#40	425	99.2	0.7
#60	250	96.1	3.0
#80	180	75.6	20.5
#100	150	48.2	27.4
#200	75	6.4	41.8
Hydrometer	0.0	0.0	6.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

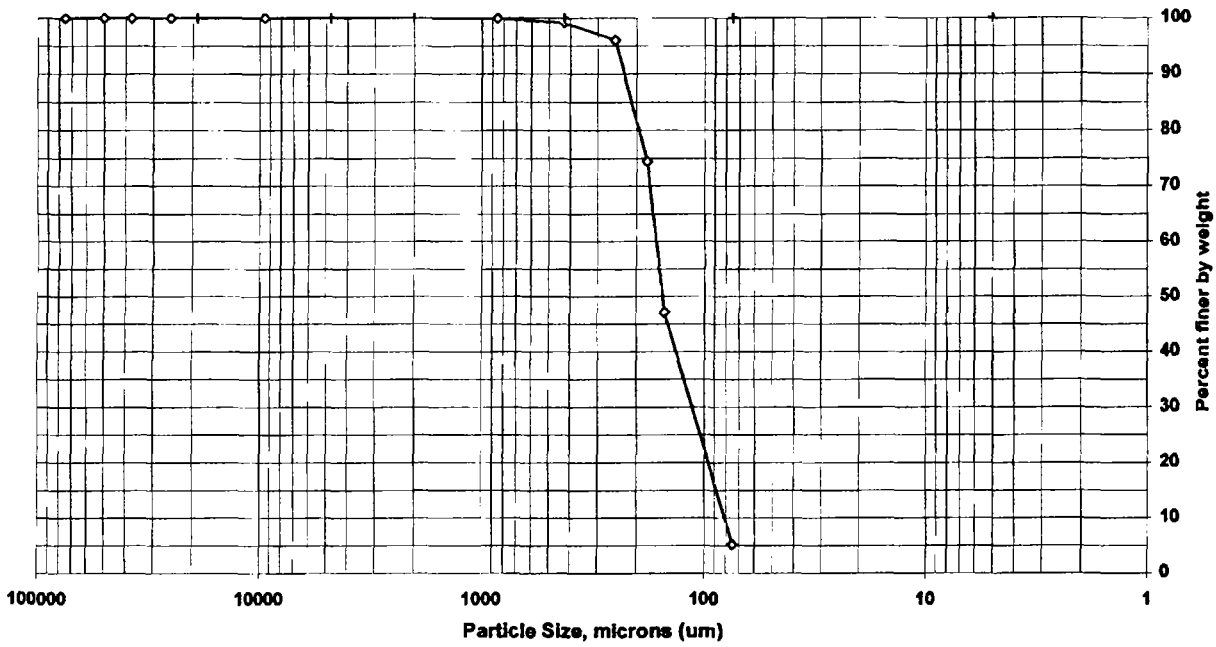
Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	93.6
Coarse Sand	0.0
Medium Sand	0.8
Fine Sand	92.8
Silt	6.4
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT13-0905-E	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640377			**End Date:**	10/20/2005

Percent Solids:	71.0%		**Non-soil material:**	shells,wood
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	n/a
Maximum Particle Size:	Med sand		**Hardness (> #10):**	n/a



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.9	0.1
#40	425	99.2	0.7
#60	250	96.0	3.1
#80	180	74.5	21.6
#100	150	47.1	27.3
#200	75	5.1	42.0
Hydrometer	0.0	0.0	5.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

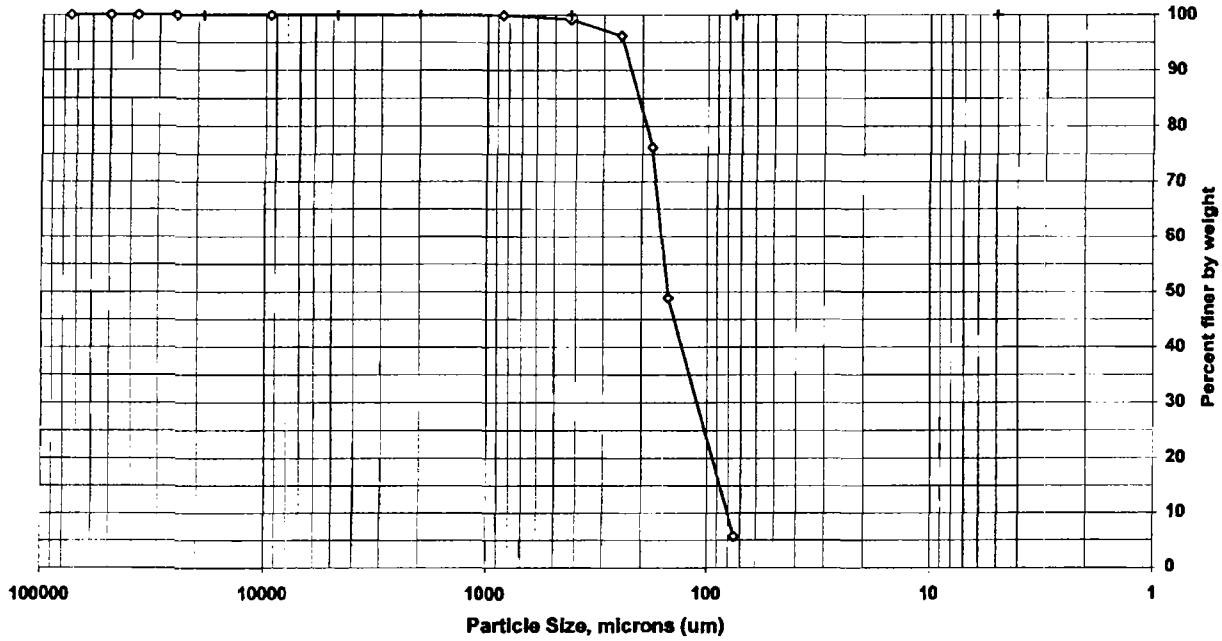
Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	94.9
Coarse Sand	0.0
Medium Sand	0.8
Fine Sand	94.0
Silt	5.1
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	SDG:	110087	Date Received:	9/29/2005
Sample ID:	NSP-SD-SQDUP01-0905	ETR(s):	110087	Start Date:	10/18/2005
Lab ID:	640378			End Date:	10/20/2005

Percent Solids:	71.8%		Non-soil material:	wood,shells	
Specific Gravity:	2.650	(assumed)	Shape (> #10):	n/a	
Maximum Particle Size:	Med sand		Hardness (> #10):	n/a	



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	100.0	0.0
#20	850	99.9	0.1
#40	425	99.2	0.7
#60	250	96.2	3.0
#80	180	76.2	20.0
#100	150	48.9	27.3
#200	75	5.7	43.2
Hydrometer	0.0	0.0	5.7
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

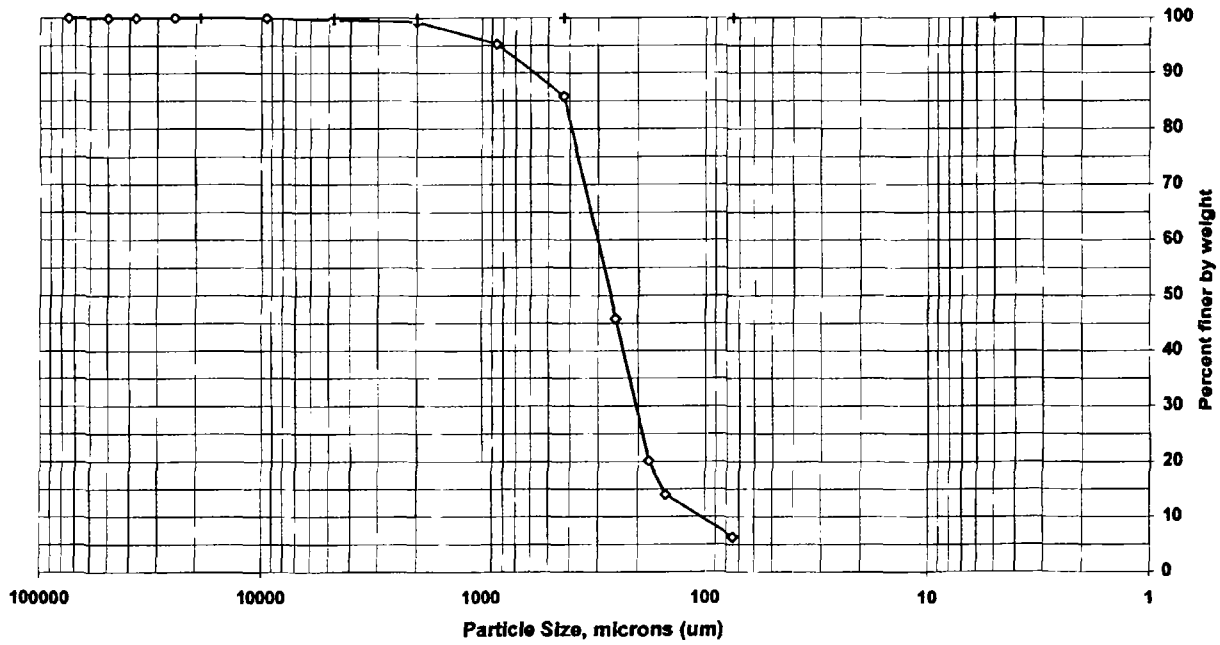
Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	94.3
Coarse Sand	0.0
Medium Sand	0.8
Fine Sand	93.5
Silt	5.7
Clay	0.0

Preparation Method: D2217
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT14-0905-A	***ETR(s):***	110087	**Start Date:**	10/18/2005
Lab ID:	640379			**End Date:**	10/20/2005

Percent Solids:	73.7%		**Non-soil material:**	plant,shells
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	rounded
Maximum Particle Size:	9.5 mm		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.6	0.4
#10	2000	99.3	0.4
#20	850	95.3	4.0
#40	425	85.9	9.4
#60	250	45.8	40.1
#80	180	20.1	25.7
#100	150	14.0	6.1
#200	75	6.3	7.7
Hydrometer	0.0	0.0	6.3
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

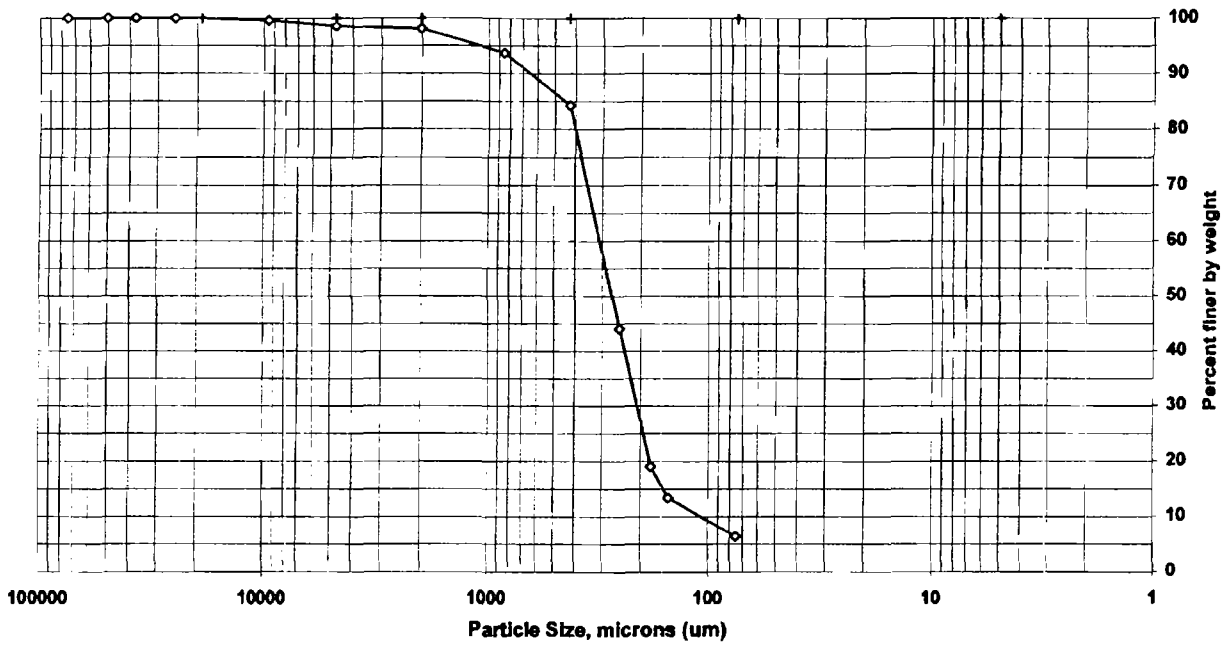
Soil Classification	Percent of Total Sample
Gravel	0.4
Sand	93.4
Coarse Sand	0.4
Medium Sand	13.4
Fine Sand	79.6
Silt	6.3
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT14-0905-B	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640380			**End Date:**	10/20/2005

Percent Solids:	74.0%		**Non-soil material:**	wood,plant
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	subangular
Maximum Particle Size:	19 mm		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	99.6	0.4
#4	4750	98.6	1.0
#10	2000	98.1	0.5
#20	850	93.7	4.4
#40	425	84.3	9.4
#60	250	44.1	40.2
#80	180	19.0	25.1
#100	150	13.4	5.7
#200	75	6.4	7.0
Hydrometer	0.0	0.0	6.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

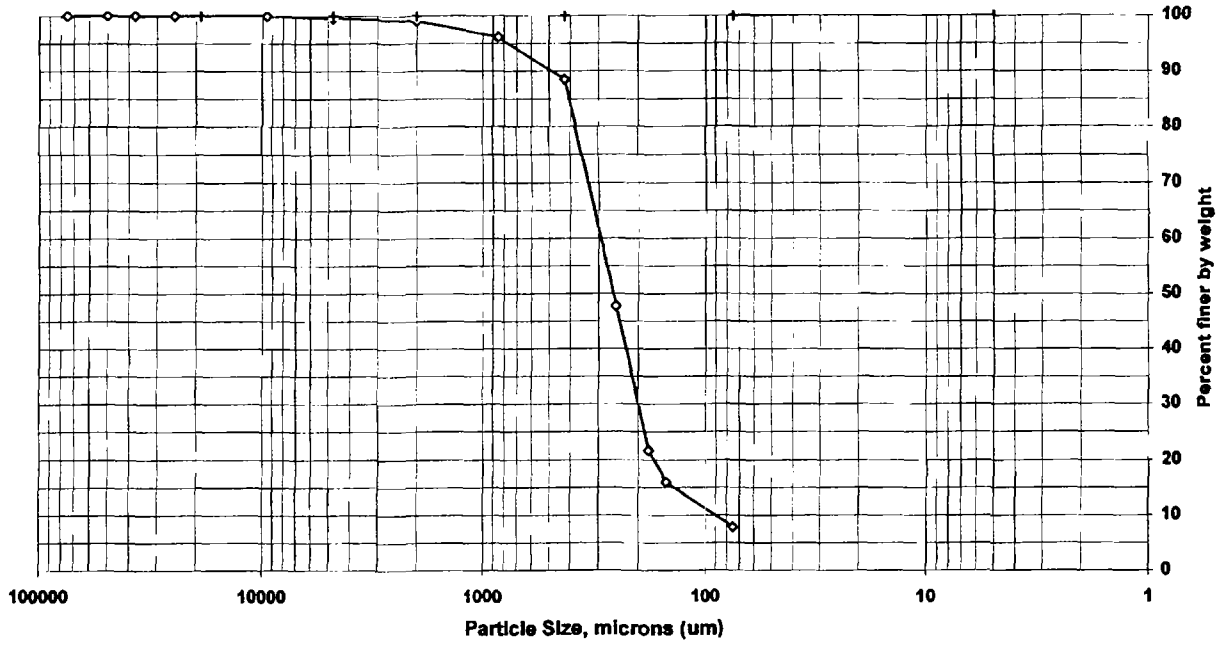
Soil Classification	Percent of Total Sample
Gravel	1.4
Sand	92.2
Coarse Sand	0.5
Medium Sand	13.8
Fine Sand	77.9
Silt	6.4
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT14-0905-C	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640381			**End Date:**	10/20/2005

Percent Solids:	68.2%		**Non-soil material:**	wood,plant
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	subangular
Maximum Particle Size:	9.5 mm		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.6	0.4
#10	2000	99.0	0.5
#20	850	96.2	2.9
#40	425	88.5	7.7
#60	250	47.7	40.8
#80	180	21.7	26.0
#100	150	15.9	5.8
#200	75	7.9	8.1
Hydrometer	0.0	0.0	7.9
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
V	0.0	0.0	0.0

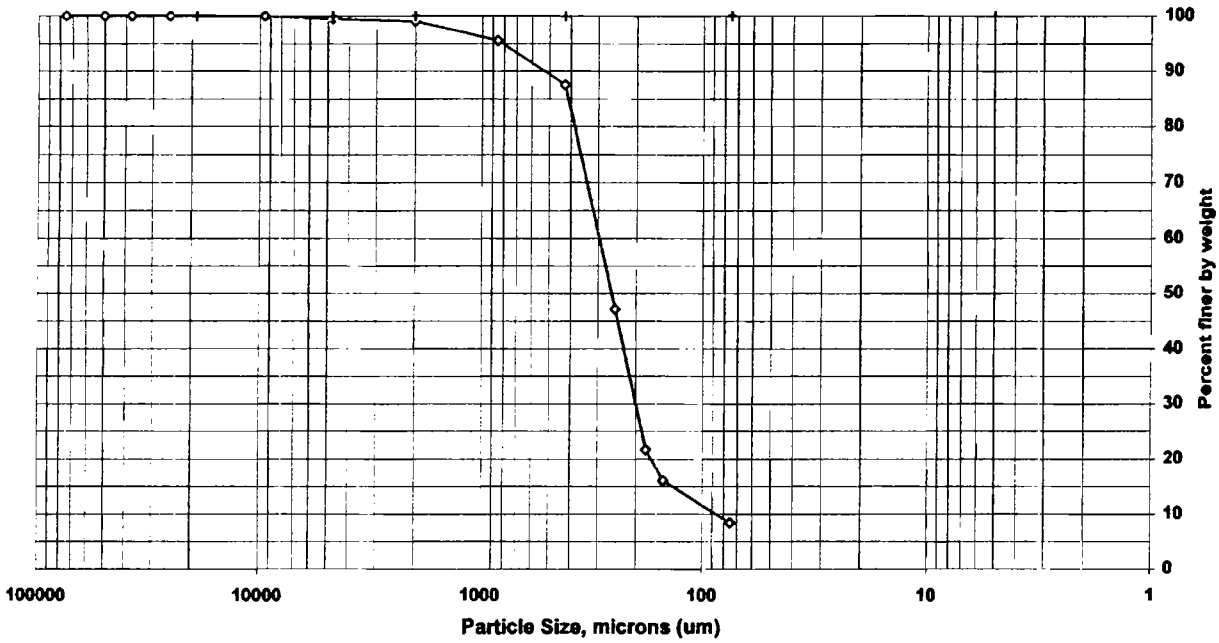
Soil Classification	Percent of Total Sample
Gravel	0.4
Sand	91.7
Coarse Sand	0.5
Medium Sand	10.5
Fine Sand	80.7
Silt	7.9
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT14-0905-CREP	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640381DP			**End Date:**	10/20/2005

Percent Solids:	72.7%		**Non-soil material:**	plant,shell
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	subangular
Maximum Particle Size:	9.5 mm		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.5	0.5
#10	2000	99.0	0.5
#20	850	95.6	3.4
#40	425	87.5	8.1
#60	250	47.1	40.4
#80	180	21.7	25.4
#100	150	16.1	5.6
#200	75	8.4	7.7
Hydrometer	0.0	0.0	8.4
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

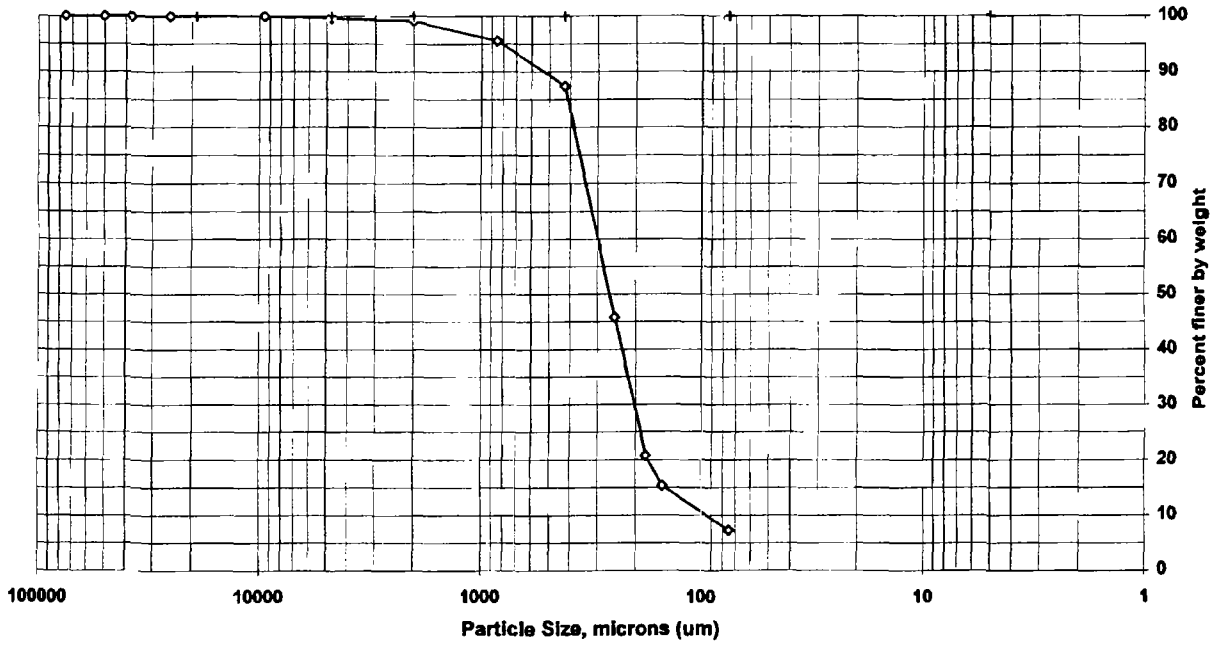
Soil Classification	Percent of Total Sample
Gravel	0.5
Sand	91.1
Coarse Sand	0.5
Medium Sand	11.5
Fine Sand	79.1
Silt	8.4
Clay	0.0

Preparation Method: D2217
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT14-0905-D	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640382			**End Date:**	10/20/2005

Percent Solids:	73.6%		**Non-soil material:**	wood
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	subrounded
Maximum Particle Size:	9.5 mm		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	99.6	0.4
#10	2000	99.2	0.4
#20	850	95.6	3.6
#40	425	87.4	8.2
#60	250	45.8	41.6
#80	180	20.8	25.0
#100	150	15.3	5.4
#200	75	7.3	8.0
Hydrometer	0.0	0.0	7.3
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
I	0.0	0.0	0.0
V	0.0	0.0	0.0

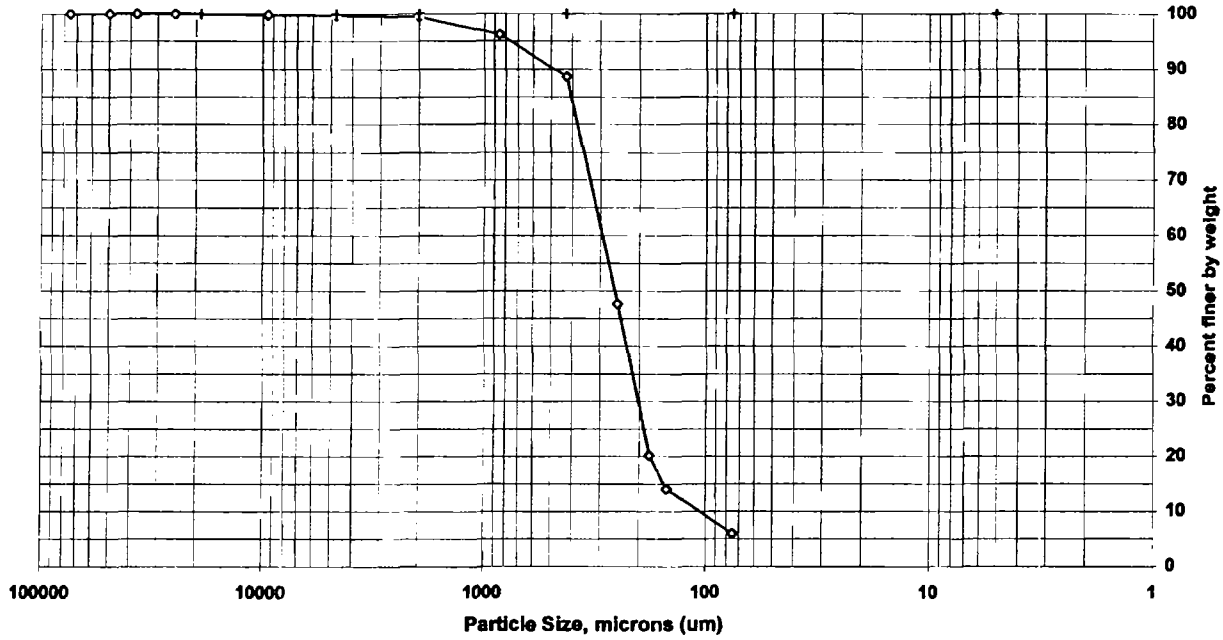
Soil Classification	Percent of Total Sample
Gravel	0.4
Sand	92.3
Coarse Sand	0.4
Medium Sand	11.8
Fine Sand	80.1
Silt	7.3
Clay	0.0

Preparation Method: D2217
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

Client Code:	URSCO9	**SDG:**	110087	**Date Received:**	9/29/2005
Sample ID:	NSP-SE-SQT14-0905-E	**ETR(s):**	110087	**Start Date:**	10/18/2005
Lab ID:	640383			**End Date:**	10/20/2005

Percent Solids:	75.0%		**Non-soil material:**	wood
Specific Gravity:	2.650	(assumed)	**Shape (> #10):**	n/a
Maximum Particle Size:	19 mm		**Hardness (> #10):**	n/a



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	99.8	0.2
#4	4750	99.7	0.1
#10	2000	99.4	0.3
#20	850	96.3	3.2
#40	425	88.7	7.6
#60	250	47.7	40.9
#80	180	20.2	27.6
#100	150	14.0	6.1
#200	75	6.0	8.1
Hydrometer	0.0	0.0	6.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	0.3
Sand	93.8
Coarse Sand	0.3
Medium Sand	10.7
Fine Sand	82.7
Silt	6.0
Clay	0.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

EVALUATION OF SEDIMENTS FROM THE ASHLAND HARBOR LAKEFRONT SITE FOR TOXICTY TO *HYALELLA AZTECA, PIMEPHALES PROMELAS, CHIRONOMUS DILUTUS,* AND *LUMBRICULUS VARIEGATUS* EXPOSED IN A VARIETY OF BIOASSAYS

By

Matthew TenEyck and Tom Markee

Lake Superior Research Institute
University of Wisconsin-Superior
Superior, WI

FINAL REPORT

To

URS
10200 Innovation Drive, Suite 500
Milwaukee, WI 53226

April 2006

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h. Appendix Table 8. Survival and Growth of *H. azteca* following 28-d of Exposure to Ashland Harbor Sediments, 7 October 2005 to 11 November 2005
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INTRODUCTION

The University of Wisconsin-Superior's Lake Superior Research Institute (LSRI) contracted with URS to evaluate sediments from the Ashland Lakefront site for toxicity toward several species of benthic invertebrates and one species of fish. Sediment samples were collected from a total of six reference stations and eight Site stations. The contaminated sediment from one of the sites was diluted with dilution sediment to obtain a concentration gradient. The following tests were conducted: a 28-day exposure of *Hyalella azteca*, a 21-day exposure of *Hyalella azteca* to reference sediment only, a 28-day exposure of *Hyalella azteca* to new reference sediment and previous non-reference sediment, a ten-day exposure of *Hyalella azteca* to a sediment dilution series under laboratory and ultraviolet light conditions with some treatments containing detritus, one seven-day solid phase fathead minnow exposure, one seven-day solid phase fathead minnow exposure under ultraviolet light, an early life stage *Chironomus dilutus* exposure, a *Lumbriculus variegatus* bioaccumulation study, and finally a sediment polycyclic aromatic hydrocarbon (PAH) equilibrium partitioning study. The endpoints of survival and growth were determined for most studies except for the bioaccumulation study and PAH equilibrium study. Only survival was used as an endpoint for the 21-day exposure of *Hyalella azteca* to the newly collected reference sediment.

METHODS

Sediment Collection, Preparation and Chemical Analysis

Sediment was collected by staff from URS between the dates of 18 June 2005 and 24 June 2005 and placed in plastic two-gallon pails with minimal head space. Two new reference (SQT13 and SQT14) sediment samples were collected on September 27, 2006. The sediment was picked up from the Ashland Harbor site by LSRI staff and transported back to the lab on ice, or in the case of the September samples, dropped off by URS at the LSRI laboratory. The samples were stored at 4.0 °C until they were homogenized. The samples were designated as having been collected from a reference station, a Site station and the general substrate type noted. Table 1 describes the treatments and includes performance controls.

Table 1. Sediment Identification, Designation, and Substrate Type.

Treatment Identification	Designation	Substrate Type
Silica Sand	Performance control	Sand
West Bearskin	Performance control	Sand
Formulated Sediment	Performance control	Sand
SQT9	Reference	Wood
SQT10	Reference	Sand
SQT11	Reference	Wood
SQT12	Reference	Sand
SQT13	Reference	Sand
SQT14	Reference	Sand
SQT1	Non-reference	Sand
SQT2	Non-reference	Wood
SQT3	Non-reference	Sand
SQT4	Non-reference	Wood
SQT5	Non-reference	Wood
SQT6	Non-reference	Sand
SQT7	Non-reference	Sand

Prior to testing, the sediment was homogenized for 15 minutes using a commercial drill equipped with a stainless steel mortar paddle. At 5-minute intervals, the sediment was briefly stirred manually to ensure further homogeneity. After homogenization, all sediment was immediately placed into the test beakers. Between homogenization of sediments, all equipment was cleaned with a lab soap solution, lab water, 10% nitric acid, deionized water, acetone, and deionized water. Samples were collected from each sediment for the following determinations: PAHs, TAL metals, TOC, total sulfide, total cyanide, and grain size (sieve only). The samples were sent to Pace Analytical, Green Bay, WI for analysis and results transmitted to URS.

Solid Phase Sediment Toxicity Tests

Solid phase sediment toxicity tests were performed with the following four freshwater species: the crustacean *Hyalella azteca*, the insect *Chironomus dilutus*, the oligochaete *Lumbriculus variegatus*, and the fish *Pimephales promelas* (fathead minnow). The objectives of each of the tests were slightly different and will be discussed below. In general, the objective was to determine whether the contaminants in the sediment were harmful to the test organisms.

The LSRI test protocols: "Conducting a 28-d Sediment Toxicity Test with *Hyalella azteca"* (SOP AT/34); "Conducting a 28-d Bioaccumulation Sediment Toxicity Test with the Oligochaete, *Lumbriculus variegatus*" (SOP AT/19); and "Conducting a 7-d Sediment Renewal Toxicity Test with *Pimephales promelas*" (SOP AT/33) are based upon EPA-developed methods (U.S. EPA, 2000). Conducting an Early Life Stage Sediment Renewal Toxicity Test with *Chironomus dilutus* is also based upon the EPA-developed method (U.S. EPA, 2000). Briefly, the tests were initiated with juvenile life-stages in the cases of *H. azteca* (7-8 days old), *C. dilutus* (less than 4.0 hours old), *P. promelas* (7 days old), and adult *L.variegatus* organisms. The tests were performed at water temperatures of 23.0 ±2.0 °C, and the overlying water was regularly exchanged within the aquaria containing the screened beakers approximately two times daily at a rate of 32.0 ± 2.0 mL/min for approximately 1.0 hour. A 16L:8D photoperiod was maintained.

Test	Method	Conditions	Fed	Age of Organism at test initiation	Endpoint
28-d H. azteca	USEPA 2000, LSRI SOP AT/34	Sediment from 8 site stations and 4 reference stations	1.0 mL daily of a yeast, Cerophyll®, and trout chow mixture containing 1800 mg/L total suspended solids.	7-8 d	Mortality, weight
21-d H. azteca	USEPA 2000, LSRI SOP AT/34	Sediment from 1 site station and 2 reference stations	1.0 mL daily of a yeast, Cerophyll®, and trout chow mixture containing 1800 mg/L total suspended solids.	7-8 d	Mortality
28-d H. azteca	USEPA 2000, LSRI SOP AT/34	Sediment from 8 site stations and 2 "old" and 2 "new" reference stations	1.0 mL daily of a yeast, Cerophyll®, and trout chow mixture containing 1800 mg/L total suspended solids.	7-8 d	Mortality, weight
10-d H. azteca	USEPA 2000, LSRI SOP AT/34	Sediment from 4 site stations, a dilution series (SQT1), and 2 reference stations	1.0 mL daily of a yeast, Cerophyll®, and trout chow mixture containing 1800 mg/L total suspended solids.	7-8 d	Mortality, weight
10-d H. azteca	USEPA 2000, LSRI SOP AT/34	Sediment from 4 site stations, a dilution series (SQT1), and 2 reference stations. Exposed to UV light	1.0 mL daily of a yeast, Cerophyll®, and trout chow mixture containing 1800 mg/L total suspended solids.	7-8 d	Mortality, weight
7-d P. promelas	USEPA 2000, LSRI SOP AT/33	Sediment from 8 site stations and 4 reference stations	0.15 g (1000-1500 nauplii) of newly hatched (less than 24-h old) brine shrimp nauplii (2x daily)	7 d	Mortality, weight
7-d P. promelas	USEPA 2000, LSRI SOP AT/33	Sediment from 8 site stations and 4 reference stations. Exposed to UV light	0.15 g (1000-1500 nauplii) of newly hatched (less than 24-h old) brine shrimp nauplii (2x daily)	7 d	Mortality, weight
10-d C. dilutus	USEPA 2000	Sediment from 8 site stations and 4 reference stations	1.0 mL daily of a 4.0 g/L Tetrafin® suspension	< 4.0 hr	Mortality, weight
28-d L. variegates	USEPA 2000, LSRI SOP AT/19	Sediment from 6 site stations and 4 reference stations	No feeding	Adult	Bioaccumulation

Approximately 100 mL of homogenized sediment was placed into each 300-mL beaker containing two screened holes about two-thirds of the distance up the beaker walls to allow for water exchange between the beaker and the aquarium in which it was placed. Each aquarium contained eight replicate beakers for each species and sediment type tested. A set of eight replicate beakers was placed into a glass aquarium, which received the renewal water. The aquaria were then placed within the larger water baths set to maintain the desired test temperature (23.0 °C). Sediment was added one day prior to the addition of the test animals to allow the sediment to settle and overlying water to clear. Observations of the bioassay beakers showed that particulates remained suspended for at least several days in tests with sandy and woody sediments (Appendix 22, Photos). Ten organisms were added to each replicate for all species except for the *C. dilutus* which had twelve organisms added. The replicate beakers were fed equal volumes of food. *H. azteca* received 1.0 mL daily of a yeast, Cerophyll®, and trout chow mixture containing 1800 mg/L total suspended solids. *C. dilutus* was fed 1.0 mL daily of a 4.0 g/L Tetrafin® suspension. Fathead minnows were fed twice daily, six hours apart, 0.15 g (1000-1500 nauplii) of newly hatched (less than 24-h old) brine shrimp nauplii. The *L. variegatus* test organisms were not fed during the test. At the end of the appropriate exposure period, sediment from each beaker was sieved through a 425µm mesh sieve, rinsed into a clear Pyrex® pan, placed over a light table, and the surviving organisms retrieved. The *H. azteca* and *P. promelas* organisms were placed into dried, pre-weighed aluminum pans and dried at approximately 60°C for 24 hours to obtain dry weight measurements. Ash-free dry weights were also determined on the *C. dilutus* by placing the previously ashed and weighed pans containing the animals in a muffle furnace at 550 °C for approximately 2.0 hours. The *L. variegatus* were placed in clean lab water and allowed to depurate overnight. Wet-weights were determined on *L. variegatus* before placing them in amber vials and freezing prior to body residue analysis. Weights were determined to 0.1 mg for all survivors.

During the tests, twice daily measurements were made of dissolved oxygen and temperature. pH and conductivity was measured several times throughout an exposure period. Total alkalinity, total hardness, ammonia, and non-purgeable organic carbon (NPOC) was measured at the beginning and end of the exposure period.

Dilution Sediment Test

Based upon the results of the initial *H. azteca* 28 day test there was no survival in Station SQT1 (a sand station) and low survival (6%) in SQT7 (a sand station). In order to verify this result and to better establish an effects threshold it was decided to make a serial dilution (100, 50, 25, 12.5%) of SQT1 volumetrically. It was decided not to dilute a woody site as toxicity was not observed. It was decided to make a serial dilution (100, 50, 25, 12.5%) of SQT1 volumetrically. Rather than dilute STQ1 with reference sediment because of the low reference stations survival, it was decided to make dilution sediment with a mixture of West Bearskin (WBS) and silica sand. The diluent tests were calculated as follows:

West Bearskin: 19.2 % solids, 7.0 % TOC
SQT1: 81.5% solids, 0.46% TOC

Therefore, the diluent sediment should contain 0.46% TOC and 81.5% solids. On a kg basis:

1000g (0.46%) = (X g) (7.0%)
X = 65.7 g dry WBS.

Therefore, silica sand = 1000g – 65.7 g= 934 g dry weight.

However, the WBS sediment exists as wet weight, so

65.7 g dry X (100g wet/19.2 g dry) = 342 g wet WBS

So, 934 g silica sand was mixed with 342 g wet WBS to yield a diluent containing 0.46% TOC on dry wt basis and 78.4% solids. The percent solids are lower unless we remove water from the WBS. This did not matter as when the sediment is placed into the beaker water was added. SQT1 and the dilution sediment were measured volumetrically into a mixing container where it was mixed and placed into the testing system as described above. *H. azteca* were the only organisms exposed to this dilution series. No additional time for equilibration between the SQT1 sediment and the diluent sediments was provided.

Ultraviolet (UV) Light Enhancement Toxicity Tests

Both *H. azteca* and *P. promelas* were exposed to UV light in a regime designed to replicate field conditions.

Field measurements of UV light

Prior to the UV-light exposure, UV-A (315-400 nm) and UV-B (280-315 nm) measurements were made at the Ashland harbor sites using an IL1700 International Light Research Radiometer/Photometer. Appropriate detectors, filters, and calibration factors corresponding to UV-A and UV-B wavelengths were used. The UV-light levels in Ashland Harbor were measured on 3 August 2005, which was a cloudy day and turbid water conditions were present. The second collection period, 31 August 2005, represented the clear sky day. On both sampling days measurements were taken at five different times (08:00, 10:00, 14:00, 16:00, 18:00 hrs), at the surface and three different depths (2 cm below the surface, mid-depth, and bottom) and at two different locations SQT1 (7.6 feet deep) and SQT2 (10.1 feet deep) at the Ashland site. UVA and UVB measurements were made at 10.0 cm intervals at one site to determine a rate of attenuation. Attempts to place the detector surface in the nepheloid layer were unsuccessful, so that the deepest readings were made slightly above the sediment-water interface. The results are summarized in Appendix Table 23. These data were submitted to URS who conferred with staff from the USEPA-Duluth laboratory (Dr. David Mount)

to decide on an appropriate UV light regime. Since these UV measurements were made after the summer solstice and did not include solar noon, they were adjusted as recommended by Dr. Mount. Readings from the near bottom were selected for testing with *H. azteca* and mid-water readings were selected for testing with *P. promelas*. After significant discussion between URS and EPA-Duluth personnel, it was agreed to conduct a 10-day bioassay for *H. azteca* at 45 $\mu W/cm^2$ UVA and 0.4 $\mu W/cm^2$ UVB and a 7-day bioassay for the fatheads at a mid-depth exposure of 248 $\mu W/cm^2$ UVA and 6 $\mu W/cm^2$ UVB (Appendix 1).

Laboratory Regime

In the laboratory UV light bulbs (UV-A 340 bulbs, Q-panel Co.) were used to simulate field conditions. Measurements were taken at the beginning and the end of each UV exposure bioassay using the same meter as in the field and under the same exposure conditions (i.e., beakers present, overlying water present, glass covers present) as in the actual bioassay. Mean initial UVA and UVB readings for the *H.* azteca 10-d test were 44.9 $\mu W/cm^2$ and 3.79 $\mu W/cm^2$, respectively. The UVA lab exposure was very close to the desired field exposure condition. The UVB was higher than the desired exposure condition and likely due to spectral overlap between UVA and UVB. At the end of the 10-d *H. azteca* test the grand average for UVA was 42.4 $\mu W/cm^2$ and the grand average for UVB was 3.03 $\mu W/cm^2$. For the 7-d fathead exposure the following are the mean UVA and UVB intensities at the beginning of the exposure 238.0 $\mu W/cm^2$ and 18.2 $\mu W/cm^2$. Measurements were not taken at the end of the exposure. We used a constant intensity and a 16:8 light dark cycle. See Appendix 1 for rationale on UV bioassay exposure.

To determine the effect that avoidance behavior of UV light had on toxicity 4-5 1.0 cm leaf plugs were added to each beaker during the UV light exposure. Leafs were collected from the litter layer at Wisconsin Point Forest. One centimeter plugs were cut out of the leaves and allowed to soak in de-ionized water for four weeks. The water was changed weekly. The leaf plugs were autoclaved prior to addition to the exposure beakers.

Statistical Analysis

Data were analyzed using the SigmaStat® program (Jandel Corporration, 1995). Data analyses included: normality (Komogorov-Smirnov) testing, equal variance testing, one way analysis of variance (ANOVA), and a suite of tests for comparison between treatment means. Non-normal survival and weight data, when possible, were transformed using the arc sine-square root transformation (U.S. EPA 2000) to normalize the data. In some instances, data would not normalize after using different transformations. These data were analyzed using a non-parametric (Kruskal-Wallis or Dunn's Method) analysis of ranks. Data that passed the equal variance test used Tukey's test for all pairwise comparison tests. Mean percent survival and mean dry weight values for laboratory control sediments and the appropriate reference sediment were analyzed with a statistical significance level of 0.05. Abbott's formula for adjusting test mortality to control or

reference mortality was employed to compare normal light and the UV light exposures. Statistical analyses raw data files are kept on file at the Lake Superior Research Institute and are available upon request.

Quality Assurance/Quality Control

Toxicity tests were initiated with healthy, vigorous animals. Reference toxicant tests were performed with all test species prior to the start of the definitive test. Control charts are available upon request. In the sediment toxicity tests, percent survival and dry weights of survivors in sand performance controls were compared to published test acceptability criteria (U.S.EPA, 2000) to determine the overall performance of the animals and the test system. Empty aluminum drying pans along with Class I standardized weights were used as a check for the organism drying process and the performance of the balance. Test conditions were monitored twice daily for parameters that might affect the outcome of the test (i.e., temperature, and dissolved oxygen). Daily and weekly calibration of test meters ensured optimal performance. Reference standards and duplicate samples were used in the analysis of ammonia, alkalinity, and hardness. The LSRI quality assurance and quality control manager performed inspections of logbooks, recorded measurements, and instrumentation used during the tests. Any deviations were discussed with the principal investigator and documented in the study logbook. The sediment studies were conducted with a high degree of quality assurance/quality control criteria.

RESULTS

Lumbriculus variegatus Bioaccumulation Study. A 96-hour toxicity screening was conducted prior to the start of the 28-d bioaccumulation study. The results from the 96-hour screening showed that sediments SQT7 and SQT1 were acutely toxic. These sediments were not used in the bioassay exposure. *L. variegatus* tissue was sent to Pace Analytical for PAH and lipid analysis. Summary results are reported in Appendix Table 2. A complete set of data with level four quality assurance and quality control has been previously submitted to URS. All tissue date are reported as µg/g wet weight.

Polycyclic aromatic hydrocarbon water concentration equilibrium study. A time series sampling of overlying water over fourteen days was used to determine partitioning and equilibration of PAHs from the sediment into the overlying water. Samples were collected and sent to Pace Analytical for analysis. Summary results are reported in two parts in Appendix Table 3 and 3.1. A complete set of data with level four quality assurance and quality control has been previously submitted to URS.

Hyalella azteca 28-d test (29 June to 27 July 2005). Mean percent survival (80.0-95.0 %) over the 28 days of exposure was high for animals exposed in the performance control sediments (silica sand, West Bearskin, and formulated sediment, Table 2). Reference sites SQT9 and SQT11 also had high mean percent survival (80.0-90.0, Table 2). Reference sites SQT10 and SQT12 had mean percent survivals of 40.0 ± 12.0 and 48.8 ± 29.5, respectively. Treatment sites ranged from 0.0 – 91.3 mean percent survival.

Treatments SQT1 and SQT7 mean percent survivals (0.0 and 6.3 ± 5.2, respectively) were significantly ($p < 0.05$) reduced when compared to the performance controls and reference sites SQT9 and SQT11 (Table 2). SQT3 mean percent survival (72.5 ± 8.9) was significantly ($p < 0.05$) reduced when compared to the performance controls of silica sand and West Bearskin. Statistical comparison was made using the reference sites SQT10 and SQT12. SQT1 and SQT7 were significantly ($p < 0.05$) reduced when compared to the reference sites of SQT10 and SQT12. The rest of the treatment sites had significantly great survival when compared to the reference sites SQT10 and SQT12. Individual survival counts are presented in Appendix Table 4.

Mean dry weight per individual ranged from 0.24 ± 0.05 mg to 0.49 ± 0.25 mg in the reference sediment and performance control treatments (Table 2). Average dry weight ranged from 0.26 ±0.04 mg to 0.42 ± 0.08 mg in the treatment sediments (Table 2). No significance difference at any Site station was detected at 95.0 % confidence. Individual growth measurements are presented in Appendix Table 4.

The mean percent survival of the performance control organisms (80.0-95.0 %) met test acceptability criteria of, where the criterion for acceptability is a mean survival level of 80.0 percent (U.S. EPA, 2000). The final mean values for the dry weights of the performance control (0.24-0.49 mg) for *H. azteca* are greater then the recommended value of 0.15 mg from several round robin tests (U.S. EPA, 2000). The measured values for the water quality characteristics indicate that the quality of the overlying water with regard to these characteristics was acceptable for tests with this species (U.S. EPA, 2000). Individual water characteristic measurements are presented in Appendix Table 5.

Hyalella azteca 21-d test (12 August to 2 September 2005). A 21-day *H.azteca* test conducted as a repeat exposure to reference sites SQT10 and SQT12 which had experienced significant mortality in the initial *H. azteca* test. The 21-day test had acceptable survival (97.5 ± 4.6) in silica sand performance control (Table 3). Sand reference stations SQT10 and SQT12 had mean percent survivals of 50.0 ±18.5 and 76.3 ± 18.5, respectively (Table 3). These results were similar to the previous 28-d *H. azteca* test. Individual survival counts are presented in Appendix Table 6). The measured values for the water quality characteristics indicate that the quality of the overlying water with regard to these characteristics was acceptable for tests with this species (U.S. EPA, 2000). Individual water characteristic measurements are presented in Appendix Table 7.

Hyalella azteca 28-d test (7 October to 4 November 2005). Because of low survival in the sand reference stations (SQT10 and SQT12) in the initial 28-day *H. azteca* bioassay, the bioassay was conducted again using sediments from two new sand reference stations (SQT13 and SQT14) collected in September. Mean percent survival ranged from 20.0 – 88.8 over the 10 days of exposure for animals exposed in the performance control sediments (silica sand, West Bearskin, and formulated sediment, Table 4). Traditionally at LSRI we have had low survival in the formulated sediment recommended by USEPA. Reference wood stations SQT9 and SQT11 had mean percent survivals of 65.0-85.0 (Table 4). New reference sand stations SQT13 and SQT14 had

mean percent survivals of 37.5 ± 21.9 and 52.5 ± 26.6, respectively (Table 4). Treatment sites ranged from 0.0 – 90.0 mean percent survival. Treatments SQT1 and SQT7 mean percent survivals (0.0 and 17.5, respectively) were significantly ($p < 0.05$) reduced when compared to the performance controls of silica sand and West Bearskin and reference sites SQT9 and SQT11 (Table 4). Statistical comparison was made using the reference sites SQT13 and SQT14 and the other treatments. All treatments sites with the exception of SQT1 and SQT7 had significantly greater survival. SQT1 and SQT7 were significantly ($p < 0.05$) reduced when compared to reference sites SQT13 and SQT14. Individual survival counts are presented in Appendix Table 8.

Mean dry weight per individual ranged from 0.24 ± 0.04 mg to 0.85 ± 0.14 mg in the reference sediment and performance control treatments (Table 4). Average dry weight ranged from 0.24 ±0.05 mg to 0.41 ± 0.18 mg in the treatment sediments (Table 4). SQT6 growth was significantly reduced ($p < 0.05$) when compared to the silica sand performance control. Individual growth measurements are presented in Appendix Table 8.

The mean percent survival of the performance control organisms (87.5-88.8) met the test acceptability criterion of 80.0 percent (U.S. EPA, 2000). The formulated performance control sediment was not used in determining test acceptability. The final mean values for the dry weights of the performance control (0.24-0.48 mg) for *H. azteca* are greater then the recommend value of 0.15 mg from several round robin tests (U.S. EPA, 2000). The measured values for the water quality characteristics indicate that the quality of the overlying water with regard to these characteristics was acceptable for tests with this species (U.S. EPA, 2000). Individual water characteristic measurements are presented in Appendix Table 9.

Hyalella azteca 10-d test (3 January to 13 January 2006). These test results are from the sediment dilution of SQT1 and are the control (laboratory light) for the concurrently conducted UV light test. Mean percent survival ranged from 97.5 -100.0 over the 28 days of exposure for animals exposed in the performance control sediments (silica sand and West Bearskin Table 5). Reference sites SQT9 and SQT11 also had high mean percent survival (97.5 and 93.8, Table 5). The sediment used to dilute the sediment from SQT1 had 101.3 percent survival, Table 5. Treatment sites ranged from 0.0 – 97.5 mean percent survival. Treatments SQT1 had 0.0 percent survival which was significantly ($p < 0.05$) reduced when compared to the performance controls of silica sand and West Bearskin and reference sites SQT9, SQT11, and the dilution sediment (Table 5). The 50% dilution of SQT1 was also significantly ($p < 0.05$) reduced when compared to all of the performance controls and reference sediments (Table 5). No significant difference was detected in survival in the rest of the dilution (25% and 12.5%) of SQT1. SQT8 survival was also significantly ($p < 0.05$) reduced when compared to the silica sand and dilution sediment controls (Table 5). Individual survival counts are presented in Appendix Table 10.

Mean dry weight per individual ranged from 0.11 ± 0.01 mg to 0.18 ± 0.02 mg in the reference sediment and performance control treatments (Table 5). Average dry

weight ranged from 0.10 ±0.01 mg to 0.19 ± 0.04 mg in the treatment sediments (Table 5). Only the 25% dilution of SQT1 had significantly reduced growth. Individual growth measurements are presented in Appendix Table 10.

The mean percent survival of the performance control organisms (97.5 – 100.0) met test acceptability of 80.0 percent (U.S. EPA, 2000). The final mean values for the dry weights of the performance control (0.11-0.15 mg) for *H. azteca* are very similar to the recommend value of 0.15 mg from several 28-d round robin tests (U.S. EPA, 2000). The measured values for the water quality characteristics indicate that the quality of the overlying water with regard to these characteristics was acceptable for tests with this species (U.S. EPA, 2000). Individual water characteristic measurements are presented in Appendix Table 11.

Hyalella azteca 10-d test UV light (3 January to 13 January 2006). These test results are from the sediment dilution of SQT1 and are exposed to UV light. In an additional treatment, beakers containing the same dilution sediment series also had 4-5 1.0 cm leaf plugs added to act as a form of detritus and provide refugia to the organisms. Mean percent survival ranged from 91.3 - 98.8 over the 10 days of exposure for animals exposed in the performance control sediments (silica sand, silica sand with leaf plugs, and West Bearskin Table 6). Reference sites SQT9 and SQT11 also had high mean percent survival (91.3 and 78.8, Table 6). The sediment used to dilute SQT1 sediment had 97.5 percent survival, Table 6. Treatment sites ranged from 0.0 – 95.0 mean percent survival. Treatments SQT1, 50% SQT1 with and with out leaf plugs, and 25% SQT1 with and with out leaf plugs were significantly ($p < 0.05$) reduced when compared to the performance controls of silica sand, silica sand with leaf plugs, West Bearskin and reference sites SQT9, SQT11, and the dilution sediment (Table 6). No significant difference was detected in survival in 12.5% SQT1 with and with out leaf plugs when compared to the performance controls and reference sites. SQT5 survival 40.0 ± 20.0 was also significantly ($p < 0.05$) reduced when compared to all of the performance control and reference sediments (Table 6). SQT4 survival (71.3 ± 12.5) was significantly ($p < 0.05$) reduced when compared to the silica sand with and with out leaf plugs and the dilution sediment (Table 6). Individual survival counts are presented in Appendix Table 12.

After applying Abbot's formula to correct for percent mortality in the silica sand control for both the UV and laboratory light the results are as follows: The 12.5% SQT1 with laboratory light and 12.5% SQT1 with UV light are significantly ($p < 0.05$) different from each other in the respects of survival, whereas, the 12.5 % SQT1 with laboratory light and 12.5% SQT1 with UV light and with leaf plugs are not significantly different. The 25.0 % SQT1 under UV light when compared to 25.0% SQT1 under laboratory light has significantly ($p < 0.05$) reduced survival. The 25% SQT1 with leaf plugs under UV light is significantly ($p < 0.05$) reduced when compared to the 25% SQT1 under laboratory light. However, the 25% SQT1 with leaf plugs had significantly greater survival when compared to the 25 % SQT1 without leaf plugs while both are exposed under UV light. The 50% SQT1 with and with out leaf plugs has significantly ($p < 0.05$) reduced survival when compared to the 50% SQT1 laboratory light exposed.

Mean dry weight per individual ranged from 0.11 ± 0.01 mg to 0.17 ± 0.03 mg in the reference sediment and performance control treatments (Table 6). Average dry weight ranged from 0.11 ±0.01 mg to 0.16 ± 0.03 mg in the treatment sediments (Table 6). Significant ($p < 0.05$) difference was detected in growth in treatments 12.5 % SQT1, 25 % SQT1, 25%SQT 1 with leaf plugs, SQT2, SQT4, and SQT5 (Table 6). Individual growth measurements are presented in Appendix Table 12.

The mean percent survival of the performance control organisms (91.3– 98.8) met test acceptability criterion of 80.0 percent (U.S. EPA, 2000). Currently there are no guidelines for test acceptability for a ten-day test The final mean values for the dry weights of the performance control (0.11-0.17 mg) for *H. azteca* are very similar to the recommend value of 0.15 mg from several 28-d round robin tests (U.S. EPA, 2000). The measured values for the water quality characteristics indicate that the quality of the overlying water with regard to these characteristics was acceptable for tests with this species (U.S. EPA, 2000). Individual water characteristic measurements are presented in Appendix Table 13.

Pimephales promelas 7-d test (July 8-15, 2005). Mean percent survival ranged from 82.5 – 95.0 over the 7 days of exposure for animals exposed in the performance control sediments (silica sand, formulated sediment, and West Bearskin, Table 7). Reference sites SQT9, SQT10, SQT11, and SQT12 also had high mean percent survival (70.0-96.3, Table 7). No significant reduction in survival was detected over the 7 days of exposure. Individual survival counts are presented in Appendix Table 14.

Mean dry weight per individual ranged from 0.58 ± 0.07 mg to 0.75 ± 0.16 mg in the reference sediments and performance control treatments (Table 7). Average dry weight ranged from 0.47 ±0.06 mg to 0.71 ± 0.09 mg in the treatment sediments (Table 7). Significant ($p < 0.05$) decrease was detected in growth in treatment SQT1 relative to the silica sand performance control and the reference sediment SQT10, but not to the other control and reference sediments (Table 7). Individual growth measurements are presented in Appendix Table 14.

The mean percent survival of the performance control organisms (82.5 – 95.0) met test acceptability criterion of 80.0 percent (U.S. EPA, 2000). The final mean values for the dry weights of the performance control (0.58-0.71 mg), and all other treatments for *P. promelas* are greater than the recommended value of 0.25 mg (U.S. EPA, 2000). The measured values for the water quality characteristics indicate that the quality of the overlying water with regard to these characteristics was acceptable for tests with this species (U.S. EPA, 2000). Individual water characteristic measurements are presented in Appendix Table 15.

Pimephales promelas 7-d test UV light (27 January 2006 – 2 February 2006). Mean percent survival ranged from 73.8 – 87.5 over the 7 days of exposure for animals exposed in the performance control sediments (silica sand, formulated sediment, and West Bearskin Table 8). Reference sites SQT9, SQT10, SQT11, and SQT12 also had high mean percent survival (73.8-82.5, Table 8). Treatments SQT7 and SQT1 had

significant ($p < 0.05$) reduction in survival (28.8 ±2.2 and 0.0, respectively) when compared to all of the performance controls and reference sediments (Table 8). Individual survival counts are presented in Appendix Table 16.

The survival data was corrected for percent mortality in the silica sand controls. The comparison was then made between survival of the laboratory light and UV light exposed bioassays. Treatment sites SQT7 and SQT1 exposed to UV light were significantly ($p < 0.05$) reduced when compared to the laboratory light exposed treatments.

Mean dry weight per individual ranged from 0.54 ± 0.09 mg to 0.59 ± 0.16 mg in the reference sediments and performance control treatments (Table 8). Average dry weight ranged from 0.45 ±0.11 mg to 0.63 ± 0.18 mg in the treatment sediments (Table 8). No significant ($p < 0.05$) difference was detected in growth in treatments relative to the performance controls and the reference sediments (Table 8). Individual growth measurements are presented in Appendix Table 16.

The mean percent survival (81.3 and 87.5) of the performance control organisms in the silica sand and West Bearskin sediment met test acceptability criterion of 80.0 percent (U.S. EPA, 2000). The formulated sediment survival (73.8) is slightly below the U.S. EPA criterion of 80% (2000).The final mean values for the dry weights of the performance control (0.58-0.59 mg) and all treatments except SQT1 ( ) for *P. promelas* are greater than the recommended value of 0.25 mg (U.S. EPA, 2000). The measured values for the water quality characteristics indicate that the quality of the overlying water with regard to these characteristics was acceptable for tests with this species (U.S. EPA, 2000). Individual water characteristic measurements are presented in Appendix Table 17.

Chironomus dilutus early life stage test (10 February 2006 to 3 March 2006). Mean percent survival for animals exposed in the performance controls of silica sand and West Bearskin were 100.0 and 97.2, respectively (Table 9). Formulated sediment mean percent survival was 30.0 ± 20.0. The reference sediments SQT9, SQT11, SQT13, and SQT14 mean percent survival ranged from 3.0-30.0 (Table 9). Treatment SQT6 had a high mean percent survival of 96.0 (Table 9). The other treatments mean percent survivals ranged from 0.0-13.0 (Table 9). Statistical comparisons were made (Table 9). Individual survival counts are presented in Appendix Table 18.

Mean ash free dry weight was calculated and reported in Table 9. No statistical significance was detected due to the high variability in survival affecting the growth results. Individual growth measurements are presented in Appendix Table 19.

CONCLUSIONS

The Lake Superior Research Institute (LSRI) contracted with URS to evaluate the toxicity of sediments collected from several sites in Ashland Harbor, Ashland Wisconsin. The survival of *H. azteca* in the 29 June 2005 28 day experiment showed no survival in

sites SQT1 and 6.3 percent survival in SQT7. These are both significantly reduced when compared to the performance control. There was less than 50 percent survival in two of the reference sediments (SQT10 and SQT12) provided. Data indicates that the low survival was not from experimental methods as the performance controls and other treatment sediment had high survival (> 80.0 %). Observations were made during homogenization of the sediment that a strong odor of decaying organic matter was detected. These stations both had slightly elevated levels of ammonia (Appendix Table 11). Both sediments also had the presence of snail shells noted during the homogenization. A repeat exposure of *H. azteca* to the same reference sediment was conducted to determine if the results were repeatable. The survival was very similar to the previous test. No significant difference was detected in growth in the original 28-d. *H. azteca* test. Due to the poor survival in reference sediments SQT10 and SQT12, new reference sediment was collected by URS staff.

After the collection of the new reference sediment (SQT13 and SQT14), another *H. azteca* 28-d test was conducted. Again, there was no survival in SQT1 and the survival in SQT7 was 17.5% which was significantly reduced when compared to the performance controls and reference sediments. The reference sediments SQT13 and SQT14 had low survival 37.5 and 52.5%, respectively. The test met acceptable performance criteria. Treatment survival results are very similar when compared to the first 28-d *H. azteca*. No differences in growth were detected when compared to the controls.

After examining the survival results of the *H. azteca* tests and the sediment chemistry it was decided by URS that a threshold level of total PAHs and mortality needed to be determined. This was accomplished by diluting SQT1, which had complete mortality, with non-toxic sediment. Table 5 shows that the highest SQT1 dilution (12.5%) had a 97.5% mean survival while the 50% dilution had 15.0 % mean survival. The 50% SQT1 and SQT1 had significant reduction in survival when compared to the performance and reference sediments. Based on the data in Table 5 the threshold value of survival lies somewhere between the 25% and 50% of sediment SQT1.

The same dilution regime as above was used in a bioassay along with UV light exposure. Some of the treatments also contained leaf plugs that provided potential refuge from the UV light (Table 6). Treatments 25% SQT1 with out and with leaf plugs, 50% SQT1 with out and with leaf plugs, 100% SQT1 with out and with leaf plugs, and SQT5 show a significant reduction in survival when compared to the performance controls and reference sediments. The general trend with the dilution series as mentioned above applies here also, as the SQT1 sediment percentage increases, survival decreases. It should also be noted that the survival in treatments 12.5% SQT1, 25% SQT1, 50% SQT1, SQT4 and SQT5 when exposed to UV light is reduced when compared to their non-UV exposed counterparts. It appears that leaf plugs do provide some protection from the UV light. Survival (78.8%) was reduced in 12.5% SQT1 without leaf plugs and was 95% in 12.5% SQT1 with leaf plugs. The same trend held true for the 25% SQT1 concentration. However, the 50% SQT1 concentration with and with out leaf plugs had 0.0 % survival.

There was no significant loss of survival or growth during the seven day exposure of fathead minnows to the sediment. The fish were unaffected by reference sediments SQT10 and SQT12 which had caused low survival in the *H. azteca* tests. However, when the fathead minnows were exposed to UV light and the same treatments as those exposed under standard laboratory lighting a significant reduction in survival was found in SQT7 and SQT1 when compared to the performance controls and reference sediments. No significant difference was detected in growth.

A general trend was observed in the *C. dilutus* early life stage test. Larval organisms are added to exposure beakers within four hours of them crawling out of the egg cases. The survival (97-100%) was high in the silica sand and West Bearskin performance controls. Survival (96.0 %) was also high in treatment SQT6. The rest of the treatments, including reference sediment, had low survival (recovery) (3-23 %). It was observed after several days into the test that treatments SQT7, SQT4, SQT3, and SQT5 and reference sediments SQT9, SQT11. SQT13, and SQT14 had animals that escaped out of the exposure beakers and were contained within the treatment box. It is believed that these larvae avoided the substrate from both Site and reference stations and remained planktonic in nature and were flushed out of the beaker during the renewal.

TABLES

Table 2 Average survival and dry weight of *Hyalella azteca* following 28 days of exposure to sediments from Ashland Harbor, 29 June 2005 to 27 July 2005. Standard deviations are in ( ).

Treatment	Average percent survival	Average dry weight (mg)
Silica Sand	95.0 (7.6)	0.49 (0.25)
Formulated Sediment	80.0 (10.7)	0.46 (0.07)
West Bearskin	95.0 (10.7)	0.24 (0.05)
SQT9	80.0 (16.9)	0.38 (0.08)
SQT10	40.0 (12.0) [abcde]	0.49 (0.07)
SQT11	90.0 (10.7)	0.23 (0.06)[b]
SQT12	48.8 (29.5) [abcde]	0.45 (0.23)
SQT6	91.3 (6.4)	0.28 (0.05)
SQT2	91.3 (15.5)	0.31 (0.06)
SQT7	6.3 (5.2) [abcdefg]	0.40 (0.34)
SQT4	95.0 (5.3)	0.26 (0.04)
SQT3	72.5 (8.9) [ac]	0.42 (0.08)
SQT5	91.3 (8.3)	0.33 (0.04)
SQT1	0.0 (0.0) [abcdefg]	0.00 (0.00)
SQT8	77.5 (17.5)	0.33 (0.06)

[a] Survival significantly reduced relative to the silica sand control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Kruskal-Wallis analysis of variance on ranks.

[b] Survival significantly reduced relative to the formulated sediment control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Kruskal-Wallis analysis of variance on ranks.

[c] Survival significantly reduced relative to the West Bearskin control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Kruskal-Wallis analysis of variance on ranks.

[d] Survival significantly reduced relative to the SQT9 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Kruskal-Wallis analysis of variance on ranks.

[e] Survival significantly reduced relative to the SQT11 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Kruskal-Wallis analysis of variance on ranks.

[f] Survival significantly reduced relative to the SQT10 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[g] Survival significantly reduced relative to the SQT12 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

Table 3. Average survival and dry weight of *Hyalella azteca* following 21 days of exposure to reference sediments from Ashland Harbor, 12 August 2005 to 2 September 2005. Standard deviations are in ( ).

Treatment	Average percent survival
Silica Sand	97.5 (4.6)
SQT10	50.0 (18.5)[acd]
SQT12	76.3 (18.5)
SQT5	81.3 (18.1)

[a] Survival significantly reduced relative to the silica sand control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[c]Survival significantly reduced relative to the SQT12 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[d]Survival significantly reduced relative to the SQT5 sediment by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

Table 4. Average survival and dry weight of *Hyalella azteca* following 28 days of exposure to sediments from Ashland Harbor, 7 October 2005 to 4 November 2005. Standard deviations are in ( ).

Treatment	Average percent survival	Average dry weight (mg)
Silica Sand	87.5 (8.9)	0.48 (0.09)
Formulated Sediment	20.0 (12.0)	0.85 (0.14)
West Bearskin	88.8 (15.5)	0.24 (0.04)
SQT9	65.0 (16.9)	0.37 (0.10)
SQT13	37.5 (21.9)	0.43 (0.09)
SQT11	85.0 (7.6)	0.26 (0.05)
SQT14	52.5 (26.6)	0.34 (0.12)
SQT6	90.0 (10.7)	0.24 (0.05)[a]
SQT2	83.8 (13.0)	0.31 (0.09)
SQT7	17.5 (16.7)[acdefg]	0.41 (0.18)
SQT4	90.0 (14.1)	0.26 (0.04)
SQT3	87.5 (10.4)	0.27 (0.02)
SQT5	81.3 (12.5)	0.26 (0.05)
SQT1	0.0 (0.0)[acdefg]	
SQT8	85.0 (9.3)	0.26 (0.04)

[a] Survival significantly reduced relative to the silica sand control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Dunn's Method of analysis of variance.

[b] Survival significantly reduced relative to the formulated sediment control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Dunn's Method of analysis of variance.

[c] Survival significantly reduced relative to the West Bearskin control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Dunn's Method of analysis of variance.

[d] Survival significantly reduced relative to the SQT9 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Dunn's Method of analysis of variance.

[e] Survival significantly reduced relative to the SQT11 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Dunn's Method analysis of variance.

[f] Survival significantly reduced relative to the SQT13 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses

[g] Survival significantly reduced relative to the SQT14 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses

Table 5. Average survival and dry weight of *Hyalella azteca* following 10 days of exposure to sediments from Ashland Harbor, 3 January 2006 to 13 January 2006. Standard deviations are in ( ).

Treatment	Average percent survival	Average dry weight (mg)
Silica Sand	100 (0.0)	0.15 (0.02)
West Bearskin	97.5 (7.1)	0.11 (0.01)
Dilution Sediment	101.3 (8.3)	0.11 (0.02)
SQT9	97.5 (4.6)	0.18 (0.02)
SQT11	93.8 (7.4)	0.13 (0.01)
12.5% SQT1	97.5 (4.6)	0.12 (0.02)
25 % SQT1	82.5 (34.5)	0.10 (0.01)[d]
50% SQT1	15.0 (10.7)[abcde]	0.12 (0.07)
SQT1	0.0 (0.0)[abcde]	
SQT2	92.5 (7.1)	0.13 (0.02)
SQT4	93.8 (5.2)	0.18 (0.02)
SQT5	92.5 (10.4)	0.18 (0.03)
SQT8	73.8 (32.0)[ac]	0.19 (0.04)

[a] Survival significantly reduced relative to the silica sand control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[b] Survival significantly reduced relative to the West Bearskin control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[c] Survival significantly reduced relative to the dilution sediment control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[d] Survival significantly reduced relative to the SQT9 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by Dunn's Method of analysis of variance.

[e] Survival significantly reduced relative to the SQT11 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

Table 6. Average survival and dry weight of *Hyalella azteca* following 10 days of exposure to sediments from Ashland Harbor and UV light, 3 January 2006 to 13 January 2006. Standard deviations are in ( ).

Treatment	Average percent survival	Average dry weight (mg)
Silica Sand	98.8 (9.9)	0.12 (0.02)
Silica Sand and Leaf Plugs	98.8 (9.9)	0.17 (0.03)
West Bearskin	91.3 (6.4)	0.11 (0.01)
Dilution Sediment	97.5 (4.6)	0.11 (0.01)
SQT9	91.3 (11.3)	0.16 (0.03)
SQT11	78.8 (12.5)	0.12 (0.02)
12.5% SQT1	78.8 (21.0)	0.12 (0.04)[b]
12.5% SQT1and Leaf Plugs	95.0 (7.6)	0.16 (0.02)
25 % SQT1	11.3 (14.6)[abcdef]	0.11 (0.03)[b]
25% SQT1 and Leaf Plugs	55.0 (17.7)[abcdef]	0.12 (0.03)[b]
50% SQT1	0.0 (0.0)[abcdef]	
50% SQT1 and Leaf Plugs	0.0 (0.0)[abcdef]	
SQT1	0.0 (0.0)[abcdef]	
SQT1 and Leaf Plugs	0.0 (0.0)[abcdef]	
SQT2	91.3 (8.3)	0.12 (0.02)[b]
SQT4	71.3 (12.5)[abd]	0.11 (0.02)[be]
SQT5	40.0 (20.0)[abcdef]	0.12 (0.03)[b]
SQT8	86.3 (16.0)[a]	0.16 (0.03)

[a] Survival significantly reduced relative to the silica sand control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[b] Survival significantly reduced relative to the silica sand and leaf plug control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Dunn's Method of analysis of variance.

[c] Survival significantly reduced relative to the West Bearskin control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[d] Survival significantly reduced relative to the dilution sediment control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[e] Survival significantly reduced relative to the SQT9 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses or mean growth significantly reduced by one-way ANOVA and Dunn's Method of analysis of variance.

[f] Survival significantly reduced relative to the SQT11 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

Table 7. Average survival and dry weight of *Pimephales promelas* following 7 days of exposure to sediments from Ashland Harbor, July 8-15, 2005. Standard deviations are in ( ).

Treatment	Average percent survival	Average dry weight (mg)
Silica Sand	95.0 (7.6)	0.71 (0.13)
Formulated Sediment	91.3 (6.4)	0.58 (0.07)
West Bearskin	82.5 (16.7)	0.67 (0.31)
SQT9	70.0(27.3)[abg]	0.67 (0.19)
SQT10	96.3 (5.2)	0.75 (0.16)
SQT11	90.0 (7.6)	0.61 (0.06)
SQT12	93.8 (5.2)	0.63 (0.06)
SQT6	93.8 (7.4)	0.57 (0.13)
SQT2	90.0 (10.7)	0.67 (0.10)
SQT7	90.0 (7.6)	0.54 (0.10)
SQT4	91.3 (8.3)	0.54 (0.06)
SQT3	82.5 (14.9)	0.63 (0.16)
SQT5	93.8 (9.2)	0.71 (0.09)
SQT1	76.3 (13.0)	0.47 (0.06)[ae]
SQT8	93.8 (7.4)	0.68 (0.07)

[a] Survival or growth significantly reduced relative to the silica sand control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[b] Survival significantly reduced relative to the formulated sediment control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[c] Survival significantly reduced relative to the West Bearskin control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[d] Survival significantly reduced relative to the SQT9 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[e] Survival or growth significantly reduced relative to the SQT10 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[f] Survival significantly reduced relative to the SQT11 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[g] Survival significantly reduced relative to the SQT12 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

Table 8. Average survival and dry weight of *Pimephales promelas* exposure to sediments from Ashland Harbor and UV light, 27 January 2006 to 2 February 2006. Standard deviations are in ( ).

Treatment	Average percent survival	Average ash free dry weight (mg)
Silica Sand	81.3 (1.2)	0.54 (0.09)
Formulated Sediment	73.8 (1.9)	0.57 (0.07)
West Bearskin	87.5 (0.9)	0.59 (0.16)
SQT9	82.5 (1.7)	0.68 (0.10)
SQT13	78.8 (1.2)	0.54 (0.15)
SQT11	73.8 (1.2)	0.64 (0.13)
SQT14	81.3 (2.0)	0.67 (0.04)
SQT6	77.5 (1.8)	0.62 (0.09)
SQT2	75.0 (1.9)	0.56 (0.07)
SQT7	38.8 (2.2)[abcdefg]	0.63 (0.18
SQT4	61.3 (1.5)	0.50 (0.11)
SQT3	68.8 (2.9)	0.45 (0.11)
SQT5	60.0 (1.5)	0.58 (0.09)
SQT1	0.0 (0.0)[abcdefg]	
SQT8	71.3 (1.4)	0.61 (0.08)

[a] Survival significantly reduced relative to the silica sand control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[b] Survival significantly reduced relative to the formulated sediment control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

c Survival significantly reduced relative to the West Bearskin reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[d] Survival significantly reduced relative to the SQT9 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[e] Survival significantly reduced relative to the SQT13 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

f Survival significantly reduced relative to the SQT11 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

g Survival significantly reduced relative to the SQT14 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

Table 9. Average survival and ash free dry weight of *Chironomus dilutus* early life stage exposure to sediments from Ashland Harbor, 10 February 2006 to 3 March 2006. Standard deviations are in ( ).

Treatment	Average percent survival	Average ash free dry weight (mg)
Silica Sand	100 (17.7)	0.86 (0.14)
Formulated Sediment	30 (20.0)	1.50 (0.81)
West Bearskin	97 (9.2)	1.23 (0.07)
SQT9	17 (27.8)	2.50 (1.56)
SQT13	23 (28)	2.44 (0.54)
SQT11	3 (7.4)	1.50
SQT14	30 (28.2)	2.58 (0.80)
SQT6	96 (16.0)	1.23 (0.12)
SQT2	0 (0)[abc]	
SQT7	4 (10.7)[abc]	2.90
SQT4	7 (9.9)[ab]	2.50 (0.26)
SQT3	13 (12.0)[ab]	3.37 (0.73)
SQT5	6 (11.7)[abc]	
SQT1	1 (3.5)[abc]	
SQT8	1 (3.5)[abc]	

[a] Survival significantly reduced relative to the silica sand control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

[b] Survival significantly reduced relative to the West Bearskin control by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

c Survival significantly reduced relative to the SQT14 reference by one-way ANOVA and Tukey's pairwise comparisons of the mean responses.

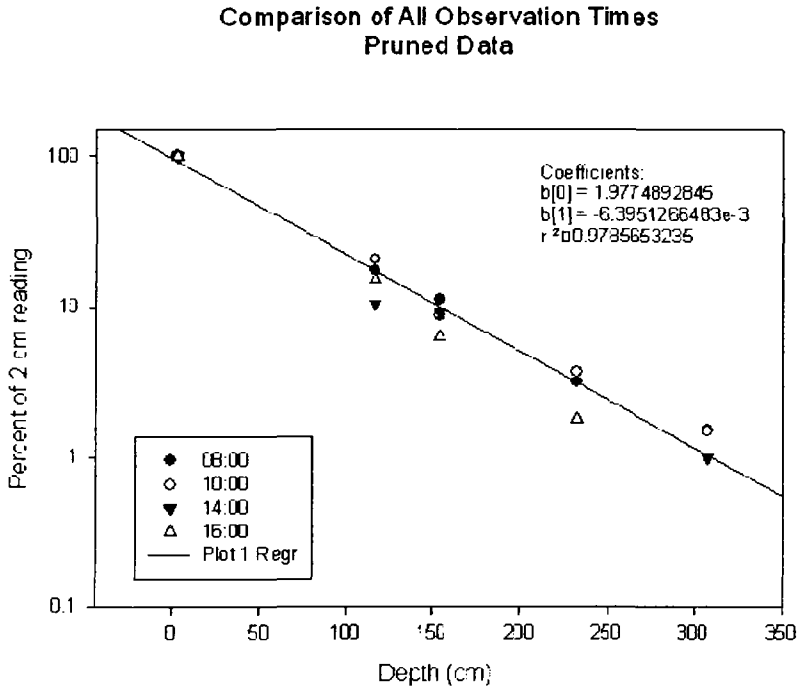
APPENDICES

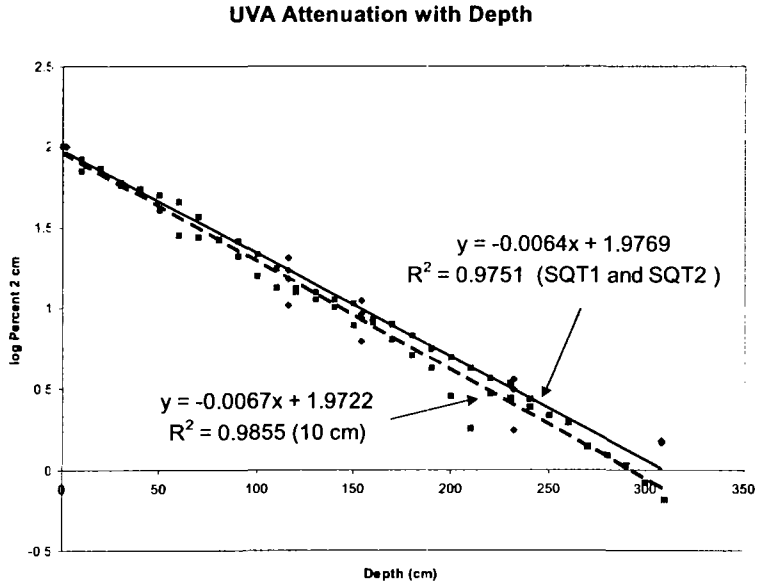
APPENDIX 1

UV Exposure for Ashland Sediment Tests

UV Exposure for Ashland Sediment Tests

Following your suggestion, here is what we did. First of all we compared your censured attenuation curve (from your 12.15.05 memo) to our data from 10 cm intervals.



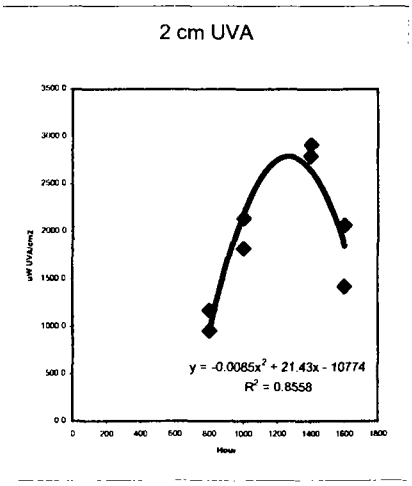


Presumably, the minor differences from your regression of the censured SQT1 and SQT2 you had in your memo likely results from us using Excel. The fact that the rate of attenuation in the 10 cm readings is similar to what you calculated provides some validation of the approach you used.

We then re-visited the data, censured some of the data you discussed and again fitted them to a parabolic curve. Here is what Darrel got.

4 data sets only (no 1800 data)

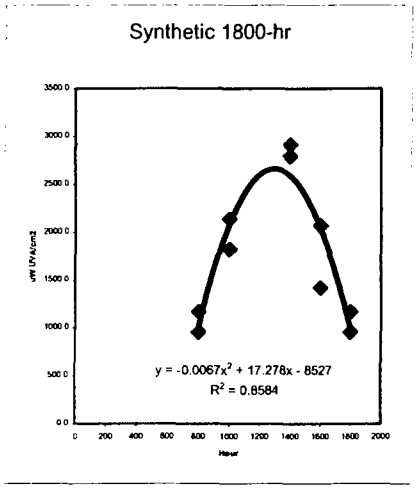
	Time	2 cm
SQT1	800	1166.8
	1000	1822.8
	1400	2795.0
	1600	1419.3
SQT2	800	954.3
	1000	2136.8
	1400	2914.5
	1600	2066.8



As you suggested we then set the 1800 data equal to the 0800 data (note that we can't be sure the anomalies you point out in the 1800 data are not real since the same results were seen in the cloudy day data. Could this reflect the low angle of the sun?). Nevertheless we did this, fit it to a curve and estimated a mean irradiance at 2cm depth over a 16 hour period.

with 1800-hr data=0800-hr data

	Time	2 cm
SQT1	800	1166.8
	1000	1822.8
	1400	2795.0
	1600	1419.3
	1800	1166.8
SQT2	800	954.3
	1000	2136.8
	1400	2914.5
	1600	2066.8
	1800	954.3



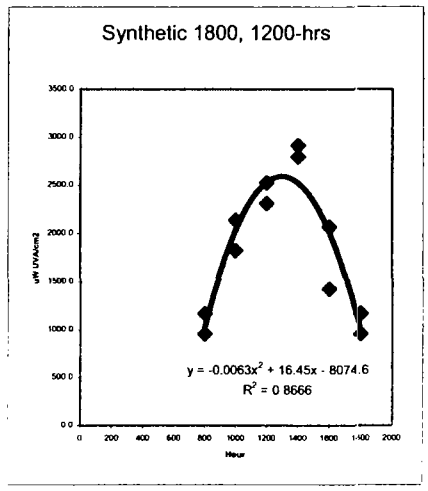
Using the resulting equation, we then estimated UVA over a 16-hour period. Where negative values were predicted, we entered zeros, and calculated the average irradiance.

Hours	Time	uW UVA/cm^2	uW UVA/cm^2
0	600	-572.2	0
2	800	1007.4	1007.4
4	1000	2051	2051
6	1200	2558.6	2558.6
8	1400	2530.2	2530.2
10	1600	1965.8	1965.8
12	1800	865.4	865.4
14	2000	-771	0
16			0
		average=	1372.3

For comparison we also "plugged" an estimated 1200 value using the of the 1000 and 1400 data (assumes a symmetrical curve). This resulted in somewhat greater average irradiance.

with 1200-hr data=average 1000+1400-hr

	Time	2 cm
SQT1	800	1166.8
	1000	1822.8
	1200	2308.9
	1400	2795.0
	1600	1419.3
SQT2	1800	1166.8
	800	954.3
	1000	2136.8
	1200	2525.6
	1400	2914.5
	1600	2066.8
	1800	954.3



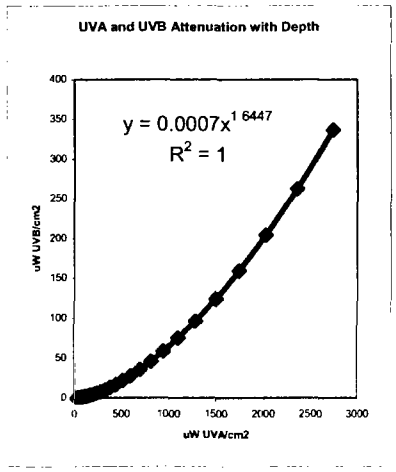
We then recalculated the 16-hr. average irradiance as before.

	uW UVA/cm^2	uW UVA/cm^2
600	-472.6	0
800	1053.4	1053.4
1000	2075.4	2075.4
1200	2593.4	2593.4
1400	2607.4	2607.4
1600	2117.4	2117.4
1800	1123.4	1123.4
2000	-374.6	0
		0
	average=	1446.3

Using this and the attenuation regression equation, the following results for the mid-depth and bottom of SQT1 (the shallowest station) were obtained:

Depth	uW UVA/cm^2		uW UVA/cm^2	
cm	2 cm	% 2 cm	Mid	Bottom
115.8	1446.3	17.2	249	
231.6	1446.3	3.1		45

We also collected UVB data at 10 cm intervals at the Site and, as shown below, we calculated an equation by which we could estimate UVB from UVA light at different depths.



Using this equation, the values for UVB were calculated at the SQT1 mid and bottom depths.

Depth	Mid		Bottom	
cm	uW UVA/cm^2	uW UVB/cm^2	uW UVA/cm^2	uW UVB/cm^2
115.8	249	6		
231.6			45	0.4

These results were then adjusted for Summer Solstice using the 33% higher irradiance expected on that day. This resulted in the following estimates:

Depth	Mid		Bottom	
cm	uW UVA/cm^2	uW UVB/cm^2	uW UVA/cm^2	uW UVB/cm^2
115.8	331	8		
231.6			60	0.5

Following your proposal we then adjusted these "clear sky" estimates for partly cloudy weather using the 75% adjustment factor you proposed.

Depth	Mid		Bottom	
cm	uW UVA/cm^2	uW UVB/cm^2	uW UVA/cm^2	uW UVB/cm^2
115.8	248	6		
231.6			45	0.4

Assuming you agree with what we have done this, I gather from your memo you are proposing that we could conduct the UV bioassays for 10-days with mid depth exposure of 248 $\mu W/cm^2$ UVA and 6 $\mu W/cm^2$ UVB. The *Hyalella* test will be conducted at 45 $\mu W/cm^2$ UVA and 0.4 $\mu W/cm^2$ UVB. It would be our intention to use a constant intensity and a 16:8 light dark cycle.

I will discuss the "depth-indexing" once more with Xcel on Thursday before we finalize the UV regime. I will recommend we simulate conditions at Station SQT 1.

APPENDIX 2

PAH Concentrations in *L. variegatus*
From Ashland Sediment
Bioaccumulation Study

PAH Concentrations in *Lumbriculus variegatus* from Ashland Sediment Bioaccumulation Study

Compound	SQT9-1	SQT9-2	SQT9-3	SQT9-4	SQT10-1	SQT10-2	SQT10-3	SQT10-4	SQT11-1&2	SQT11-3&4
1-Methylnaphthalene	5.6	<4.3	4.1	3.4	3.1	3.2	3.5	<3.4	<4.3	<4.0
1-Methylphenanthrene	19	12	15	20	<5.8	<7.4	<7.4	<9.2	<12	<11
2,3,5-Trimethylnaphthalene	<8.6	<8.1	<5.4	<6.1	<4.1	<5.2	<5.3	<6.5	<8.2	<7.7
2,6-Dimethylnaphthalene	<17	<16	<10	<12	<8.0	<10	<10	<13	<16	<15
2-Methylnaphthalene	10	<4.5	5.7	5.5	6.5	6.2	6.9	<3.6	7.3	5.0
Acenaphthene	9.3	<6.9	6.2	5.4	5.9	6.6	7.2	<5.5	7.8	<6.5
Acenaphthylene	<14	<13	<8.9	<9.9	<6.8	<8.6	<8.7	<11	<13	<13
Anthracene	42	<13	<8.4	<9.4	<6.4	<8.1	<8.2	<10	<13	<12
Benzo(a)anthracene	17	<15	<10	<11	<7.8	<9.9	<10	<12	<15	<15
Benzo(a)pyrene	<18	<17	<12	<13	<8.8	<11	<11	<14	<17	<16
Benzo(b)fluoranthene	<15	<14	<9.3	<10	7.2	<8.9	<9.0	<11	<14	<13
Benzo(e)pyrene	<13	<12	<8.3	<9.3	7.2	<8.0	<8.1	<10	<13	<12
Benzo(ghi)perylene	<14	<14	<9.1	<10	7.6	<8.8	<8.9	<11	<14	<13
Benzo(k)fluoranthene	<12	<11	80	41	7.5	<7.2	<7.2	<8.9	17	59
Chrysene	<13	<13	<8.4	<9.5	11	9.9	9.4	<10	<13	12
Dibenz(a,h)anthracene	<14	<13	<8.6	<9.6	<6.6	<8.3	<8.4	<10	<13	<12
Fluoranthene	39	<12	10	10	24	21	24	<9.8	33	31
Fluorene	13	<7.9	5.4	<5.9	<4.0	<5.1	<5.1	<6.3	8.6	<7.4
Indeno(1,2,3-cd)pyrene	<14	<13	<8.7	<9.7	<6.6	<8.4	<8.5	<10	<13	<12
Naphthalene	23	<5.2	14	19	16	17	19	5.8	17	13
Perylene	31	<24	59	24	<12	<15	<15	<19	37	36
Phenanthrene	110	60	62	66	79	75	82	<9.1	100	71
Pyrene	30	<14	<9.2	<10	20	17	18	<11	23	30
% Lipids	1.74	1.65	1.42	1.74	1.92	1.63	1.56	0.05	0.35	1.95

PAH Concentrations in *Lumbriculus variegatus* from Ashland Sediment Bioaccumulation Study

Compound	SQT12-1	SQT12-2	SQT12-3	SQT12-4	SQT2-1	SQT2-2	SQT2-3	SQT2-4	SQT4-1	SQT4-2&4	SQT4-3
1-Methylnaphthalene	<3.1	<4.0	3.6	2.8	8	9.3	<6.1	4.1	<4.5	4.1	4.4
1-Methylphenanthrene	<8.4	<11	<8.1	<6.8	19	17	<16	26	41	44	57
2,3,5-Trimethylnaphthalene	<5.9	<7.6	<5.8	<4.8	<11	<12	<12	<7.5	<8.5	6.1	12
2,6-Dimethylnaphthalene	<12	<15	<11	<9.4	<21	<23	<22	<15	<17	<11	<11
2-Methylnaphthalene	6.0	6.2	6.4	5.8	9.1	8.8	<6.4	7.4	8.4	8.3	7.1
Acenaphthene	6.6	<6.4	7.0	5.6	<8.9	<9.9	<9.8	7.7	<7.2	11	8.0
Acenaphthylene	<9.7	<12	13	<7.9	<17	<19	<19	<12	17	65	52
Anthracene	<9.2	<12	<9.0	<7.5	<16	<18	<18	<12	20	33	41
Benzo(a)anthracene	12	<14	<11	9.7	51	47	31	58	310	440	450
Benzo(a)pyrene	<13	<16	<12	<10	36	38	<25	46	<18	380	380
Benzo(b)fluoranthene	14	<13	<9.9	13	30	27	<20	34	170	260	290
Benzo(e)pyrene	14	<12	13	11	41	37	23	44	190	250	260
Benzo(ghi)perylene	<10	<13	<9.7	<8.1	32	29	<19	30	62	96	96
Benzo(k)fluoranthene	12	26	95	8.3	66	130	33	47	260	310	300
Chrysene	20	15	16	16	61	52	38	67	330	400	410
Dibenz(a,h)anthracene	<9.4	<12	<9.2	<7.7	<17	<19	<18	<12	14	20	20
Fluoranthene	32	22	21	21	67	61	41	72	290	350	400
Fluorene	8.8	<7.3	8.8	<4.7	<10	<11	<11	10	<8.3	13	8.4
Indeno(1,2,3-cd)pyrene	<9.5	<12	<9.2	<7.8	<17	<19	<19	<12	44	65	66
Naphthalene	15	16	15	14	22	23	18	18	20	16	15
Perylene	28	73	61	<14	<31	<34	<34	30	<25	<17	50
Phenanthrene	89	100	76	76	120	110	65	79	110	120	130
Pyrene	24	13	13	14	77	89	72	130	410	640	710
% Lipids	1.46	1.66	1.61	1.59	2.23	1.62	2.25	2.09	1.15	1.86	2.17

PAH Concentrations in *Lumbriculus variegatus* from Ashland Sediment Bioaccumulation Study

Compound	SQT3-1	SQT3-2	SQT3-3&4	SQT5-1	SQT5-2&3&4	SQT8-1&2	SQT8-3&4	SQT6-1	SQT6-2&4	SQT6-3
1-Methylnaphthalene	<5.6	<5.7	<4.1	5.5	5.9	19	9.5	<4.3	<4.2	<5.1
1-Methylphenanthrene	68	67	59	230	160	13	15	<11	<11	<14
2,3,5-Trimethylnaphthalene	14	<11	10	81	46	9.3	11	<8.1	<8.0	<9.6
2,6-Dimethylnaphthalene	<21	<21	<15	34	18	21	18	<16	<16	<19
2-Methylnaphthalene	8.4	14	6.9	13	12	35	15	4.6	5.0	6.7
Acenaphthene	<9.0	<9.1	<6.5	28	16	28	29	<6.8	<6.8	<8.2
Acenaphthylene	59	54	51	200	150	71	99	<13	<13	19
Anthracene	48	53	42	230	140	<14	15	<13	<13	<15
Benzo(a)anthracene	500	520	500	1500	1300	34	37	66	71	84
Benzo(a)pyrene	460	480	470	1300	190	<19	24	72	81	100
Benzo(b)fluoranthene	310	290	320	840	710	<15	18	52	55	67
Benzo(e)pyrene	310	300	290	770	640	20	24	62	68	80
Benzo(ghi)perylene	130	120	120	350	310	<15	16	25	28	33
Benzo(k)fluoranthene	380	360	340	970	810	35	100	64	71	110
Chrysene	460	470	450	1200	960	35	40	80	84	97
Dibenz(a,h)anthracene	29	26	25	98	92	<14	<12	<13	<13	<15
Fluoranthene	480	500	460	1500	1100	55	65	58	60	71
Fluorene	<10	11	<7.5	51	30	16	25	<7.8	<7.8	10
Indeno(1,2,3-cd)pyrene	91	87	84	290	260	<14	<12	<13	15	17
Naphthalene	19	24	15	22	19	43	27	13	14	17
Perylene	70	60	51	190	160	<25	<22	31	97	<28
Phenanthrene	130	120	120	560	350	120	150	76	84	96
Pyrene	810	870	790	2600	1900	80	92	110	110	130
% Lipids	0.54	1.55	1.24	1.50	2.32	1.84	2.24	1.36	0.88	1.55

PAH Concentrations in *Lumbriculus variegatus* from Ashland Sediment Bioaccumulation Study

Compound	FORM-1	FORM-2	FORM-3	FORM-4	W. Bear-1	W. Bear-2&3	W.Bear-4	Initial	Initial Duplicate
1-Methylnaphthalene	4.2	3.4	5.0	2.7	<4.8	4.4	<4.3	3.6	2.6
1-Methylphenanthrene	<7.1	<7.1	<7.8	<7.0	<13	<10	<11	2.8	2.9
2,3,5-Trimethylnaphthalene	<5.0	<5.0	<5.6	<5.0	<9.2	<7.4	<8.1	2.7	2.5
2,6-Dimethylnaphthalene	<9.7	<9.7	<11	<9.6	<18	<14	<16	1.7	1.6
2-Methylnaphthalene	8.1	6.7	7.2	5.5	<5.1	6.4	<4.5	6.7	5.3
Acenaphthene	9.4	7.3	6.9	5.9	<7.8	<6.2	<6.9	6.1	5.6
Acenaphthylene	9.2	<8.2	9.8	<8.1	<15	<12	<13	<1.1	<1.3
Anthracene	<7.8	<7.8	37	<7.7	<14	<11	<13	4.3	3.2
Benzo(a)anthracene	<9.5	<9.5	<11	<9.4	<17	<14	<15	1.7	1.5
Benzo(a)pyrene	<11	<11	<12	<11	<20	<16	<17	<1.4	<1.7
Benzo(b)fluoranthene	<8.6	<8.6	<9.5	<8.5	<16	<13	<14	<1.1	<1.3
Benzo(e)pyrene	<7.7	<7.7	<8.5	<7.6	<14	<11	<12	1.8	1.6
Benzo(ghi)perylene	<8.4	<8.4	<9.3	<8.3	<15	<12	<14	1.7	1.5
Benzo(k)fluoranthene	89	<6.9	<7.6	<6.8	<13	<10	42	<0.91	<1.1
Chrysene	<7.8	<7.8	<8.7	<7.7	<14	<11	<13	3.4	3.1
Dibenz(a,h)anthracene	<8.0	<8.0	<8.8	<7.9	<15	<12	<13	<1.1	<1.2
Fluoranthene	32	18	25	15	<14	<11	<12	8.7	9.2
Fluorene	42	17	6.9	16	<8.9	<7.1	9.6	4.2	3.2
Indeno(1,2,3-cd)pyrene	<8.0	<8.0	<8.9	<7.9	<15	<12	<13	<1.1	<1.2
Naphthalene	21	17	23	14	16	17	9.5	15	11
Perylene	<15	<15	<16	16	<27	<21	<24	<1.9	<2.2
Phenanthrene	100	98	83	69	56	72	57	64	65
Pyrene	13	<8.5	11	<8.4	<16	<13	<14	7.9	7.7
% Lipids	1.95	1.57	2.11	2.59	1.32	1.68	1.03	2.45	2.43

APPENDIX 3

Pace Analytical Report
PAH Water Only Equilibrium Study

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862425

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 48 HR

Matrix Type : WATER
Collection Date : 08/04/05
Report Date : 08/23/05
Lab Sample Number : 862425-001

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.8	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.1	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		5.5	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862425

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 48 HR

Matrix Type : WATER
Collection Date : 08/04/05
Report Date : 08/23/05
Lab Sample Number : 862425-002

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2.3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2.6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		4.7	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862425

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 48 HR

Matrix Type : WATER
Collection Date : 08/04/05
Report Date : 08/23/05
Lab Sample Number : 862425-003

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		6.7	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862425

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 48 HR

Matrix Type : WATER
Collection Date : 08/04/05
Report Date : 08/23/05
Lab Sample Number : 862425-004

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		5.7	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862425

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - DAY 4

Matrix Type : WATER
Collection Date : 08/06/05
Report Date : 08/23/05
Lab Sample Number : 862425-005

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene		2.0	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.1	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		5.8	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 862425

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - DAY 4

Matrix Type : WATER
Collection Date : 08/06/05
Report Date : 08/23/05
Lab Sample Number : 862425-006

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene		2.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.8	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene		2.2	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene		1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.8	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene		1.9	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.7	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		7.1	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene		4.2	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene		2.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

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1241 Bellevue Street
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Analytical Report Number: 862425

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - DAY 4

Matrix Type : WATER
Collection Date : 08/06/05
Report Date : 08/23/05
Lab Sample Number : 862425-007

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		5.7	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

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Analytical Report Number: 862425

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - DAY 4

Matrix Type : WATER
Collection Date : 08/06/05
Report Date : 08/23/05
Lab Sample Number : 862425-008

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/11/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.2	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Naphthalene		7.0	1.7	1	ug/L	B&	08/14/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/14/05	SW846 3510C	8270C-SIM
Phenanthrene		1.7	1.7	1	ug/L	&*	08/14/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 0HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-001

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		8.3	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene		1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene		1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		8.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		13	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 0HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-002

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		7.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		8.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		13	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

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Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : *O - 0HR*

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : *862259-003*

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 0HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-004

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		2.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2.3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2.6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		2.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 2HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-005

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		3.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		5.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		7.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 2HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-006

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		4.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		6.4	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		8.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		4.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		8.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 2HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-007

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		2.3	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 2HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-008

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 4HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-009

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		3.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.3	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		5.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 4HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-010

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		7.4	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene		1.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		3.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		6.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		11	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 4HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-011

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 4 HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-012

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		7.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 8HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-013

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		2.4	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene		1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		4.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		7.4	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 8HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-014

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2.3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2.6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		6.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		3.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		6.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		11	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 8HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-015

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene		1.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		4.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 8HR

Matrix Type : WATER
Collection Date : 08/02/05
Report Date : 08/23/05
Lab Sample Number : 862259-016

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene		3.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene		3.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.4	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J - 24HR

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/23/05
Lab Sample Number : 862259-017

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		2.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : J DUP - 24HR

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/23/05
Lab Sample Number : 862259-018

SEMIVOLATILES - SPECIAL LIST - SIM **Prep Date:** 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene		1.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		1.9	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		5.0	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene		3.6	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 24HR

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/23/05
Lab Sample Number : 862259-019

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.4	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.3	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.3	1.7	1	ug/L	&N	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		3.5	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 24HRMS

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/23/05
Lab Sample Number : 862259-020

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	45	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	51	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	53	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	46	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	49	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	46	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	48	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Anthracene	62	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	67	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	72	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	68	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	56	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	60	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	59	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Chrysene	55	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	60	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	72	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Fluorene	56	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	58	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Naphthalene	48	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Perylene	56	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Phenanthrene	60	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM
Pyrene	72	1.7	1	ug/L		08/13/05	SW846 3510C	8270C-SIM

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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O - 24HRMSD

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/23/05
Lab Sample Number : 862259-021

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	38	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	51	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	44	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	38	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	41	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Acenaphthene	38	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Acenaphthylene	38	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Anthracene	57	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene	65	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	75	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	71	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	58	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	62	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	61	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Chrysene	57	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	65	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluoranthene	73	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Fluorene	46	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	62	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Naphthalene	42	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Perylene	58	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Phenanthrene	56	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM
Pyrene	72	1.7	1	ug/L		08/14/05	SW846 3510C	8270C-SIM

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Analytical Report Number: 862259

Client : LAKE SUPERIOR RESEARCH INSTITUTE
Project Name : ASHLAND - PAH EQUILIBRIUM
Project Number :
Field ID : O DUP - 24HR

Matrix Type : WATER
Collection Date : 08/03/05
Report Date : 08/23/05
Lab Sample Number : 862259-022

SEMIVOLATILES - SPECIAL LIST - SIM

Prep Date: 08/09/05

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
1-Methylphenanthrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,3,5-Trimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2,6-Dimethylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
2-Methylnaphthalene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Acenaphthylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Anthracene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)anthracene		2.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(a)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(e)pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Chrysene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene		2.2	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluoranthene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Fluorene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene		2.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Naphthalene		6.1	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Perylene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Phenanthrene		2.8	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM
Pyrene	<	1.7	1.7	1	ug/L	&	08/13/05	SW846 3510C	8270C-SIM

APPENDIX 4

Survival and Growth of *H. azteca*
Following 28-d of Exposure to Ashland Harbor Sediments,
29 June 2005 to 27 July 2005

Appendix Table 4. Survival and Growth of *H. azteca* following 28-d of Exposure to Ashland Harbor Sediments, 29 June 2005 to 27 July 2005.

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Total Dry wt (mg)	Individual Dry Wt. (mg)	Average Dry Wt (mg)	Standard Deviation
A	Silica Sand	1	9			2.7	0.30		
A	Silica Sand	2	11			6.0	0.55		
A	Silica Sand	3	9			3.7	0.41		
A	Silica Sand	4	9			4.1	0.46		
A	Silica Sand	5	10			3.6	0.36		
A	Silica Sand	6	10			4.1	0.41		
A	Silica Sand	7	9			9.8	1.09		
A	Silica Sand	8	9	95.0	7.6	3.0	0.33	0.49	0.25
B	Form. Sediment	1	7			2.9	0.41		
B	Form. Sediment	2	9			3.9	0.43		
B	Form. Sediment	3	9			4.1	0.46		
B	Form. Sediment	4	8			4.5	0.56		
B	Form. Sediment	5	8			3.1	0.39		
B	Form. Sediment	6	8			4.2	0.53		
B	Form. Sediment	7	6			*			
B	Form. Sediment	8	9	80.0	10.7	*		0.46	0.07
C	W. Bearskin	1	10			2.8	0.28		
C	W. Bearskin	2	9			2.2	0.24		
C	W. Bearskin	3	10			2.1	0.21		
C	W. Bearskin	4	10			2.3	0.23		
C	W. Bearskin	5	10			2.2	0.22		
C	W. Bearskin	6	7			2.2	0.31		
C	W. Bearskin	7	10			1.5	0.15		
C	W. Bearskin	8	10	95.0	10.7	2.9	0.29	0.24	0.05
D	SQT9	1	7			3.2	0.46		
D	SQT9	2	5			2.7	0.54		
D	SQT9	3	8			2.6	0.33		
D	SQT9	4	10			3.3	0.33		
D	SQT9	5	7			2.6	0.37		
D	SQT9	6	8			2.5	0.31		
D	SQT9	7	9			3.7	0.41		
D	SQT9	8	10	80.0	16.9	3.2	0.32	0.38	0.08
E	SQT10	1	5			2.5	0.50		
E	SQT10	2	3			1.6	0.53		
E	SQT10	3	3			1.6	0.53		
E	SQT10	4	4			2.1	0.53		
E	SQT10	5	5			1.9	0.38		
E	SQT10	6	6			2.4	0.40		
E	SQT10	7	3			1.4	0.47		
E	SQT10	8	3	40.0	12.0	1.7	0.57	0.49	0.07
F	SQT11	1	10			2.2	0.22		
F	SQT11	2	7			1.9	0.27		
F	SQT11	3	9			1.7	0.19		
F	SQT11	4	9			1.9	0.21		
F	SQT11	5	10			1.4	0.14		
F	SQT11	6	8			2.8	0.35		
F	SQT11	7	9			2.1	0.23		
F	SQT11	8	10	90.0	10.7	2.2	0.22	0.23	0.06
G	SQT12	1	5			2.9	0.58		
G	SQT12	2	0			0.0	0.00		
G	SQT12	3	8			3.0	0.38		
G	SQT12	4	6			2.1	0.35		
G	SQT12	5	5			2.6	0.52		
G	SQT12	6	8			3.6	0.45		
G	SQT12	7	1			0.8	0.80		
G	SQT12	8	6	48.8	29.5	3.1	0.52	0.45	0.23

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Total Dry wt (mg)	Individual Dry Wt. (mg)	Average Dry Wt (mg)	Standard Deviation
H	SQT6	1	10			2.3	0.23		
H	SQT6	2	9			2.3	0.26		
H	SQT6	3	9			3.0	0.33		
H	SQT6	4	8			1.8	0.23		
H	SQT6	5	9			2.1	0.23		
H	SQT6	6	9			2.8	0.31		
H	SQT6	7	9			3.0	0.33		
H	SQT6	8	10	91.3	6.4	2.8	0.28	0.28	0.05
I	SQT2	1	9			2.5	0.28		
I	SQT2	2	9			2.0	0.22		
I	SQT2	3	8			2.8	0.35		
I	SQT2	4	10			3.6	0.36		
I	SQT2	5	10			3.1	0.31		
I	SQT2	6	6			2.2	0.37		
I	SQT2	7	11			2.5	0.23		
I	SQT2	8	10	91.3	15.5	3.8	0.38	0.31	0.06
J	SQT7	1	0			0.0	0.00		
J	SQT7	2	0			0.0	0.00		
J	SQT7	3	1			0.7	0.70		
J	SQT7	4	0			0.0	0.00		
J	SQT7	5	1			0.6	0.60		
J	SQT7	6	1			0.7	0.70		
J	SQT7	7	1			0.5	0.50		
J	SQT7	8	1	6.3	5.2	0.7	0.70	0.40	0.34
K	SQT4	1	9			2.6	0.29		
K	SQT4	2	10			2.2	0.22		
K	SQT4	3	9			2.0	0.22		
K	SQT4	4	10			2.4	0.24		
K	SQT4	5	10			2.7	0.27		
K	SQT4	6	9			2.9	0.32		
K	SQT4	7	9			2.1	0.23		
K	SQT4	8	10	95.0	5.3	2.5	0.25	0.26	0.04
L	SQT3	1	7			3.0	0.43		
L	SQT3	2	8			2.4	0.30		
L	SQT3	3	8			2.6	0.33		
L	SQT3	4	8			3.3	0.41		
L	SQT3	5	6			3.1	0.52		
L	SQT3	6	6			3.1	0.52		
L	SQT3	7	7			3.0	0.43		
L	SQT3	8	8	72.5	8.9	3.6	0.45	0.42	0.08
M	SQT5	1	9			3.5	0.39		
M	SQT5	2	10			3.4	0.34		
M	SQT5	3	9			3.1	0.34		
M	SQT5	4	9			3.2	0.36		
M	SQT5	5	8			2.8	0.35		
M	SQT5	6	8			2.7	0.34		
M	SQT5	7	10			2.8	0.28		
M	SQT5	8	10	91.3	8.3	2.7	0.27	0.33	0.04
N	SQT1	1	0			0.0	0.00		
N	SQT1	2	0			0.0	0.00		
N	SQT1	3	0			0.0	0.00		
N	SQT1	4	0			0.0	0.00		
N	SQT1	5	0			0.0	0.00		
N	SQT1	6	0			0.0	0.00		
N	SQT1	7	0			0.0	0.00		
N	SQT1	8	0	0.0	0.0	0.0	0.00	0.00	0.00

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Total Dry wt (mg)	Individual Dry Wt. (mg)	Average Dry Wt (mg)	Standard Deviation
O	SQT8	1	9			3.2	0.36		
O	SQT8	2	8			2.9	0.36		
O	SQT8	3	10			2.6	0.26		
O	SQT8	4	8			3.6	0.45		
O	SQT8	5	7			2.2	0.31		
O	SQT8	6	8			2.1	0.26		
O	SQT8	7	8			2.7	0.34		
O	SQT8	8	4	77.5	17.5	1.3	0.33	0.33	0.06

* Lab accident. Organisms lost in handling pan.

APPENDIX 5

Water Chemistry Parameters of *H. azteca*
28-d Test Exposed to Sediments from Ashland Harbor,
29 June 2005 to 27 July 2005

Appendix Table 5. Water Chemistry Parameters fo *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 29 June 2005 to 27 July 2005.
Temperature (° C)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
29-Jun-05	0	7:50	1	23.7	23.9	23.9	23.6	23.5	23.3	23.4	23.7	23.7	23.6	23.4	23.7	23.6	23.6	23.5
29-Jun-05	0	7:50	2	23.7	23.8	24.0	23.5	23.7	23.5	23.4	23.9	23.8	23.6	23.4	23.7	23.8	23.8	23.5
29-Jun-05	0	7:50	3	23.7	23.9	23.9	23.8	23.5	23.5	23.3	23.9	23.7	23.5	23.8	23.5	23.7	23.8	23.5
29-Jun-05	0	7:50	4	23.8	23.9	23.9	23.9	23.6	23.4	23.4	23.9	23.8	23.8	23.3	23.7	23.8	23.8	23.4
29-Jun-05	0	7:50	5	23.6	24.0	23.9	23.8	23.7	23.4	23.5	23.5	23.7	23.8	23.5	23.7	23.6	23.7	23.5
29-Jun-05	0	7:50	6	23.7	24.0	23.8	23.8	23.7	23.1	23.3	23.9	23.6	23.7	23.1	23.6	23.8	23.8	23.6
29-Jun-05	0	7:50	7	23.7	23.9	23.8	23.2	23.6	23.3	23.4	23.9	23.6	23.7	23.4	23.6	23.7	23.8	23.4
29-Jun-05	0	7:50	8	23.7	23.9	23.9	23.7	23.6	23.4	23.5	23.8	23.6	23.8	23.2	23.8	23.7	23.8	23.5
29-Jun-05	0	4:20	1	23.9	23.7	23.6	23.6	23.6	23.4	23.4	23.6	23.5	23.6	23.3	23.6	23.7	23.5	23.5
29-Jun-05	0	4:20	4	23.8	23.7	23.8	23.8	23.6	23.4	23.5	23.6	23.6	23.6	23.4	23.7	23.5	23.4	23.4
30-Jun-05	1	7:00	4	23.6	23.4	23.7	23.5	23.3	23.3	23.4	23.3	23.5	23.4	23.2	23.3	23.1	23.3	23.4
30-Jun-05	1	7:00	6	23.5	23.4	23.7	23.5	23.4	23.3	23.3	23.4	23.2	23.4	23.2	23.4	23.0	23.3	23.4
30-Jun-05	1	15:45	4	24.0	23.8	23.7	23.8	23.8	23.7	23.8	23.8	23.6	23.6	23.7	23.8	23.8	23.9	23.5
30-Jun-05	1	15:45	8	23.8	23.8	23.8	23.8	23.8	23.7	23.7	23.9	23.4	23.7	23.7	23.8	23.8	23.9	23.2
1-Jul-05	2	8:00	4	23.1	23.7	23.7	23.7	23.1	23.5	23.0	23.7	23.6	23.5	22.8	23.5	23.5	23.7	23.3
1-Jul-05	2	8:00	5	23.1	23.9	23.8	23.8	23.2	23.6	23.0	23.7	23.4	23.5	22.9	23.5	23.5	23.8	23.3
1-Jul-05	2	15:15	2	23.2	23.9	23.9	23.7	23.1	23.0	23.0	23.6	23.4	23.6	23.0	23.6	23.6	23.9	23.5
1-Jul-05	2	15:15	4	23.2	23.9	23.8	23.9	23.1	23.0	23.1	23.6	23.5	23.5	23.0	23.5	23.6	23.8	23.6
2-Jul-05	3	8:15	4	23.2	23.8	23.7	23.4	22.8	22.8	22.9	23.4	23.0	23.4	22.8	23.6	23.5	23.6	23.2
2-Jul-05	3	8:15	7	23.2	23.9	23.7	23.8	22.9	22.9	22.9	23.6	23.1	23.5	22.9	23.6	23.6	23.6	23.1
2-Jul-05	3	16:30	3	23.4	22.9	23.9	22.7	23.3	23.2	23.1	23.0	23.4	23.9	23.1	23.8	22.9	22.8	23.6
2-Jul-05	3	16:30	4	23.4	22.9	24.0	22.9	23.4	23.2	23.2	22.9	23.8	23.8	23.1	23.9	22.9	22.9	23.8
3-Jul-05	4	8:10	1	23.5	22.5	24.0	22.1	23.3	23.2	23.3	22.1	23.7	23.1	23.2	23.8	22.7	22.7	23.6
3-Jul-05	4	8:10	4	23.4	22.5	23.9	22.6	23.3	23.2	23.3	22.5	23.7	23.8	23.2	23.9	22.8	22.8	23.7
3-Jul-05	4	16:00	3	24.2	25.1	24.3	24.9	23.0	24.0	23.8	24.8	24.2	24.3	24.0	24.2	24.8	24.8	24.1
3-Jul-05	4	16:00	4	24.1	25.0	24.4	25.0	24.1	24.0	23.9	24.8	24.2	24.3	23.5	24.2	24.8	24.8	24.2
4-Jul-05	5	8:00	4	22.9	21.7	23.7	21.7	22.8	22.8	22.7	21.7	23.1	23.7	22.7	23.6	22.2	21.8	23.4
4-Jul-05	5	8:00	6	22.9	21.8	23.7	21.8	22.8	22.8	22.7	21.6	23.6	23.7	22.7	23.7	22.1	21.9	23.7
4-Jul-05	5	16:15	4	23.5	24.6	23.9	24.6	23.4	23.2	23.2	24.6	23.7	23.8	23.2	23.8	24.6	24.4	23.7
4-Jul-05	5	16:15	8	23.4	24.4	23.9	24.6	23.4	23.3	23.2	24.6	23.8	23.8	23.2	23.9	24.6	24.5	23.7
5-Jul-06	6	6:30	4	23.0	22.8	23.2	21.7	22.8	22.6	22.2	21.5	23.4	23.4	22.5	23.3	21.6	21.4	23.3
5-Jul-06	6	6:30	5	22.6	21.7	23.3	21.6	22.7	22.7	22.7	21.6	23.3	23.4	22.3	23.2	21.6	21.4	23.4
5-Jul-06	6	14:30	2	23.0	23.4	23.6	23.2	22.8	22.7	22.7	23.5	23.4	23.4	22.7	23.4	23.5	23.0	23.3
5-Jul-06	6	14:30	4	22.9	23.4	23.5	23.3	22.8	22.8	22.8	23.4	23.5	23.4	22.7	23.3	23.6	23.1	23.4
6-Jul-05	7	7:20	4	22.6	23.0	22.7	22.9	22.3	22.6	22.7	23.3	23.1	22.9	22.1	23.1	23.2	23.0	23.1
6-Jul-05	7	7:20	7	22.5	22.7	22.5	23.1	22.4	22.4	22.9	23.1	23.1	22.9	22.3	23.0	23.3	23.1	23.1
6-Jul-05	7	15:30	3	23.1	23.6	23.3	23.7	23.1	23.0	23.2	23.7	23.1	23.3	22.8	23.2	23.5	23.5	23.3
6-Jul-05	7	15:30	4	23.1	23.6	23.3	23.7	23.2	23.0	23.1	23.6	23.3	23.4	23.0	23.2	23.6	23.6	23.3
7-Jul-05	8	6:30	4	23.0	23.3	23.4	23.1	22.6	22.7	22.8	23.2	22.4	23.3	22.8	23.2	23.0	22.9	23.0
7-Jul-05	8	6:30	6	23.0	23.2	22.4	23.1	22.8	22.7	22.7	22.4	23.2	22.9	23.2	23.4	23.1	23.0	23.2
7-Jul-05	8	15:15	4	23.0	23.0	23.5	23.1	22.6	22.9	22.8	23.0	23.6	23.2	22.7	23.3	23.1	22.9	23.3
7-Jul-05	8	15:15	8	22.9	23.0	23.4	23.5	22.7	22.7	22.6	23.1	23.3	23.4	22.7	23.3	23.1	22.8	23.4
8-Jul-08	9	6:45	4	23.0	23.2	23.5	23.0	22.7	22.7	22.9	22.9	23.3	23.4	22.7	23.1	23.0	23.0	23.3
8-Jul-08	9	6:45	7	22.8	23.1	23.3	23.2	22.9	22.5	22.6	22.7	23.3	23.5	22.9	23.2	22.9	23.2	23.0
8-Jul-08	9	15:15	1	22.9	23.1	23.6	23.1	23.0	22.9	22.9	23.2	23.2	23.4	22.8	23.4	23.2	22.9	23.4
8-Jul-08	9	15:15	4	23.1	23.1	23.6	23.1	23.1	23.0	22.8	23.2	23.4	23.5	22.8	23.4	23.2	22.8	23.3
9-Jul-05	10	8:00	4	23.1	22.9	23.0	23.2	22.7	22.6	23.0	22.8	23.3	23.3	22.9	23.3	23.2	23.2	23.2
9-Jul-05	10	8:00	5	23.2	22.9	23.1	23.2	22.7	22.5	23.0	22.8	23.3	23.2	22.9	23.0	23.2	23.2	23.3
9-Jul-05	10	17:30	2	23.4	23.3	23.6	23.4	23.2	23.3	23.3	23.4	23.4	23.7	23.4	23.6	23.4	23.4	23.6
9-Jul-05	10	17:30	4	23.4	23.3	23.6	23.3	23.3	23.3	23.4	23.4	23.6	23.6	23.4	23.6	23.4	23.4	23.6
10-Jul-05	11	8:00	4	23.3	23.5	23.6	23.6	23.2	23.1	23.2	23.3	23.3	23.3	23.1	23.4	23.3	23.4	23.3
10-Jul-05	11	8:00	7	23.3	23.5	23.6	23.5	22.9	23.2	23.1	23.3	23.3	23.3	23.1	23.4	23.3	23.4	23.3
10-Jul-05	11	18:20	3	23.7	23.8	23.8	23.7	23.7	23.6	23.6	23.9	23.9	23.9	23.7	23.8	23.9	23.9	23.7
10-Jul-05	11	18:20	4	23.7	23.8	23.8	23.8	23.8	23.7	23.7	23.9	24.0	23.9	23.7	23.9	23.9	23.9	23.8

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
11-Jul-05	12	6:00	1	23.3	23.2	23.5	23.3	23.2	23.2	23.2	23.4	23.4	23.6	23.1	23.4	23.5	23.4	23.3
11-Jul-05	12	6:00	4	23.3	23.3	23.5	23.4	23.3	23.3	23.4	23.5	23.4	23.8	23.3	23.6	23.4	23.4	23.4
11-Jul-05	12	15:15	4	23.8	23.7	24.0	23.6	23.8	23.6	23.5	23.8	24.0	24.1	23.5	24.0	24.0	23.8	24.1
11-Jul-05	12	15:15	5	23.7	23.7	24.1	23.7	23.7	23.5	23.5	23.8	24.0	24.2	23.5	24.0	24.0	23.9	24.2
12-Jul-05	13	8:00	4	23.1	23.2	23.5	23.4	23.1	23.4	23.4	23.4	23.6	23.6	23.0	23.7	23.5	23.3	23.7
12-Jul-05	13	8:00	6	23.1	23.1	23.4	23.6	23.0	23.4	23.3	23.2	23.6	23.6	23.0	23.5	23.4	22.9	23.7
12-Jul-05	13	15:00	4	23.4	23.8	24.5	23.9	23.8	23.7	23.6	23.9	24.5	24.5	23.7	24.4	23.9	23.9	24.6
12-Jul-05	13	15:00	8	23.8	23.8	24.5	23.9	23.8	23.7	23.6	23.9	24.5	24.5	23.7	24.5	23.9	23.9	24.6
13-Jul-05	14	8:30	4	24.4	24.6	24.9	24.6	24.4	24.2	24.1	24.6	24.8	24.9	24.2	24.8	24.7	24.5	25.0
13-Jul-05	14	8:30	5	24.4	24.7	24.9	24.7	24.4	24.2	24.1	24.7	24.8	24.9	24.2	24.7	24.7	24.5	25.0
13-Jul-05	14	14:50	2	23.4	23.6	24.0	23.6	23.7	23.4	23.4	23.7	24.1	24.0	23.5	24.0	23.8	23.7	24.1
13-Jul-05	14	14:50	4	23.5	23.6	23.4	23.6	23.7	23.4	23.4	23.7	24.1	24.0	23.4	24.0	23.8	23.6	24.1
14-Jul-05	15	8:00	4	23.5	23.5	23.6	23.5	23.5	23.3	23.3	23.5	23.6	23.6	23.3	23.6	23.6	23.5	23.7
14-Jul-05	15	8:00	7	23.5	23.6	23.7	23.5	23.5	23.3	23.3	23.5	23.7	23.7	23.3	23.6	23.6	23.4	23.7
14-Jul-05	15	15:00	3	23.0	23.5	23.7	23.3	23.0	22.9	22.8	23.6	23.8	23.8	22.9	23.6	23.7	23.4	23.8
14-Jul-05	15	15:00	4	23.0	23.5	23.7	23.5	23.0	22.8	22.8	23.6	23.7	23.8	22.9	23.7	23.7	23.5	23.8
15-Jul-05	16	6:30	1	22.5	22.8	23.3	22.6	22.3	22.0	22.0	22.7	23.2	23.2	22.0	22.5	22.8	22.4	23.1
15-Jul-05	16	6:30	4	22.5	22.8	23.3	22.7	22.4	22.0	22.0	22.8	23.2	23.2	22.0	23.0	22.7	22.4	23.0
15-Jul-05	16	16:00	4	22.9	23.0	23.5	22.9	22.8	22.7	22.5	22.9	23.5	23.5	22.8	23.2	22.9	22.9	23.5
15-Jul-05	16	16:00	8	22.8	23.1	23.0	22.9	22.8	22.8	22.5	23.0	23.6	23.4	22.7	23.3	22.8	22.9	23.5
16-Jul-05	17	5:30	4	22.9	23.1	23.1	23.0	22.9	22.9	22.7	22.7	23.1	23.3	22.7	23.2	22.9	22.8	23.3
16-Jul-05	17	5:30	6	23.0	22.9	23.0	23.1	22.8	22.7	22.7	22.8	23.1	23.1	22.8	23.3	22.8	22.7	23.4
16-Jul-05	17	14:45	4	22.9	23.3	23.5	23.1	22.8	22.8	22.9	22.8	23.5	23.6	23.4	23.4	23.3	23.2	23.6
16-Jul-05	17	14:45	8	22.8	23.2	23.4	23.0	22.7	22.9	22.8	22.9	23.4	23.4	23.3	23.3	23.4	23.3	23.5
17-Jul-05	18	9:45	4	22.8	23.1	23.4	23.1	22.9	22.7	22.6	23.1	23.5	23.5	22.8	23.3	23.1	23.0	23.5
17-Jul-05	18	9:45	5	22.8	23.1	23.4	23.1	22.8	22.8	22.6	23.1	23.5	23.5	22.8	23.3	23.1	23.0	23.5
17-Jul-05	18	15:00	2	23.3	23.5	23.5	23.5	23.3	23.4	23.3	23.3	23.5	23.6	23.2	23.4	23.6	23.4	23.4
17-Jul-05	18	15:00	4	23.1	23.4	23.5	23.5	23.2	23.3	23.4	23.4	23.4	23.6	23.1	23.5	23.5	23.5	23.5
18-Jul-05	19	7:00	4	23.1	22.4	23.2	22.4	22.9	23.0	22.8	22.4	23.2	23.2	23.1	23.1	22.5	22.3	23.2
18-Jul-05	19	7:00	7	23.3	22.4	23.3	22.4	22.8	23.0	22.7	22.5	23.2	23.3	23.1	23.0	22.4	22.3	23.3
18-Jul-05	19	16:00	3	23.2	23.1	23.1	23.1	23.2	23.4	23.3	23.0	23.2	23.3	23.4	23.0	23.0	23.1	23.1
18-Jul-05	19	16:00	4	23.3	23.1	23.1	23.2	23.2	23.3	23.4	23.0	23.3	23.3	23.4	23.2	23.0	23.2	23.1
19-Jul-05	20	7:30	1	21.3	21.6	21.9	21.6	21.3	21.4	21.3	21.6	22.0	21.9	21.5	21.7	21.7	21.7	21.9
19-Jul-05	20	7:30	4	21.3	21.6	21.8	21.7	21.3	21.4	21.3	21.7	22.0	21.9	21.5	21.8	21.7	21.7	21.9
19-Jul-05	20	15:20	2	22.1	22.2	22.2	22.4	22.0	22.1	22.0	22.3	22.3	22.3	22.1	22.1	22.3	22.4	22.3
19-Jul-05	20	15:20	4	22.1	22.2	22.2	22.4	22.0	22.1	22.0	22.3	22.3	22.3	22.2	22.2	22.3	22.4	22.3
20-Jul-05	21	6:30	4	23.3	23.4	23.4	23.6	23.4	23.5	23.3	23.4	23.4	23.4	23.3	23.2	23.5	23.5	23.3
20-Jul-05	21	6:30	6	23.3	23.5	23.4	23.6	23.2	23.4	23.3	23.4	23.4	23.5	23.4	23.3	23.5	23.5	23.3
20-Jul-05	21	16:00	4	23.7	23.8	23.7	23.8	23.4	23.4	23.3	23.6	23.8	23.5	23.5	23.4	23.6	23.7	23.7
20-Jul-05	21	16:00	8	23.6	23.8	23.7	23.8	23.5	23.4	23.3	23.7	23.7	23.7	23.5	23.4	23.6	23.7	23.7
21-Jul-05	22	8:00	4	22.6	22.9	22.9	23.0	22.3	22.3	22.8	22.7	22.9	22.9	22.4	22.9	22.6	22.5	23.1
21-Jul-05	22	8:00	5	22.5	22.9	23.0	22.9	22.4	22.3	22.3	22.8	23.1	23.1	21.9	23.1	22.7	22.9	23.1
21-Jul-05	22	15:30	2	22.9	22.6	23.3	22.7	22.9	22.0	22.8	22.7	23.2	23.3	22.9	23.0	22.7	22.7	23.1
21-Jul-05	22	15:30	4	22.9	22.5	23.3	22.7	22.9	23.0	22.8	22.6	23.0	23.3	22.9	23.1	22.7	22.7	23.2
22-Jul-05	23	7:30	4	23.4	23.7	23.6	23.7	23.4	23.5	23.4	23.7	23.6	23.6	23.5	23.5	23.8	23.7	23.4
22-Jul-05	23	7:30	7	23.4	23.7	23.5	23.8	23.4	23.5	23.4	23.8	23.5	23.7	23.6	23.5	23.8	23.7	23.5
22-Jul-05	23	14:30	3	23.4	23.4	23.6	23.3	23.3	23.4	23.4	23.6	23.6	23.6	23.4	23.4	23.7	23.4	23.5
22-Jul-05	23	14:30	4	23.4	23.4	23.6	23.5	23.3	23.5	23.4	23.6	23.6	23.6	23.5	23.4	23.7	23.5	23.6
23-Jul-05	24	8:00	1	23.1	23.2	23.3	23.3	23.4	23.2	23.1	23.0	23.4	23.4	23.2	23.3	23.1	23.2	23.0
23-Jul-05	24	8:00	4	23.2	23.3	23.4	23.1	23.2	23.2	23.1	23.2	23.3	23.4	23.1	23.2	23.1	23.2	23.3
23-Jul-05	24	15:15	4	23.4	23.4	23.6	23.5	23.4	23.5	23.3	23.6	23.6	23.7	23.4	23.5	23.6	23.5	23.7
23-Jul-05	24	15:15	6	23.5	23.5	23.6	23.6	23.4	23.5	23.3	23.6	23.6	23.7	23.4	23.5	23.6	23.5	23.7
24-Jul-05	25	8:15	4	23.2	23.1	23.3	23.4	23.2	23.3	23.2	23.3	23.3	23.3	23.3	23.2	23.3	23.1	23.3
24-Jul-05	25	8:15	6	23.3	23.2	23.3	23.5	23.3	23.3	23.2	23.3	23.2	23.3	23.3	23.2	23.3	23.4	23.3
24-Jul-05	25	15:20	4	23.5	23.5	23.6	23.7	23.4	23.4	23.4	23.6	23.7	23.7	23.4	23.5	23.6	23.4	23.7
24-Jul-05	25	15:20	8	23.5	23.5	23.6	23.7	23.5	23.4	23.4	23.7	23.7	23.7	23.4	23.6	23.6	23.5	23.7

Date	Day	Time	Rep	Silica Sand	Form Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
25-Jul-05	26	8:00	4	23.4	23.4	23.6	23.5	23.4	23.4	23.3	23.5	23.4	23.6	23.3	23.4	23.4	23.3	23.5
25-Jul-05	26	8:00	5	23.5	23.4	23.6	23.5	23.4	23.4	23.3	23.5	23.4	23.6	23.3	23.4	23.4	23.3	23.5
25-Jul-05	26	16:00	2	23.5	23.6	23.6	23.6	23.4	23.6	23.5	23.7	23.6	23.6	23.5	23.5	23.5	23.6	23.7
25-Jul-05	26	16:00	4	23.6	23.5	23.7	23.7	23.4	23.6	23.5	23.6	23.5	23.6	23.5	23.5	23.5	23.6	23.7
26-Jul-05	27	8:30	4	23.6	22.8	23.7	23.7	23.5	23.5	23.3	23.6	23.6	23.6	23.4	23.6	23.5	23.5	23.6
26-Jul-05	27	8:30	7	23.7	23.7	23.7	23.6	23.4	23.4	23.3	23.6	23.5	23.6	23.4	23.3	23.5	23.6	23.4
26-Jul-05	27	15:45	3	23.7	23.9	23.7	23.7	23.6	23.9	23.7	23.7	23.5	23.8	23.8	23.5	23.4	23.6	23.4
26-Jul-05	27	15:45	4	23.9	23.8	23.8	23.8	23.7	23.9	23.7	23.7	23.7	23.8	23.8	23.5	23.4	23.7	23.5
27-Jul-05	28	6:00	1	22.8	22.9	23.0	23.1	23.0	23.1	22.9	22.9	23.0	23.0	22.9	22.8	22.8	22.9	22.9
27-Jul-05	28	6:00	2	22.9	23.0	23.1	23.0	23.1	23.0	22.9	22.9	23.0	23.1	23.0	22.9	22.8	22.9	22.9
27-Jul-05	28	6:00	3	23.0	23.0	23.1	23.0	23.1	23.1	22.9	23.0	22.9	23.0	23.0	22.8	22.8	22.9	22.9
27-Jul-05	28	6:00	4	23.0	23.0	23.1	23.1	23.1	23.1	22.9	23.0	23.0	23.1	23.0	22.8	22.9	23.0	22.9
27-Jul-05	28	6:00	5	23.0	23.0	23.0	23.0	23.0	23.0	22.9	23.0	22.9	23.1	23.0	22.7	22.8	23.0	22.9
27-Jul-05	28	6:00	6	22.9	23.0	23.0	23.0	23.0	23.1	22.9	23.0	23.0	23.0	23.0	22.8	22.9	23.0	22.9
27-Jul-05	28	6:00	7	23.0	23.0	22.9	23.0	22.9	23.0	22.9	23.0	22.9	23.1	23.0	22.8	22.8	23.0	22.9
27-Jul-05	28	6:00	8	23.0	23.0	22.8	23.0	23.0	23.0	22.9	22.9	22.8	23.1	23.0	22.8	22.9	22.9	22.7
			Average	**23.2**	**23.3**	**23.5**	**23.3**	**23.2**	**23.1**	**23.1**	**23.3**	**23.4**	**23.5**	**23.1**	**23.4**	**23.3**	**23.3**	**23.4**
			Minimum	21.3	21.6	21.8	21.6	21.3	21.4	21.3	21.5	22.0	21.9	21.5	21.7	21.6	21.4	21.9
			Maximum	24.4	25.1	24.9	25.0	24.4	24.2	24.1	24.8	24.8	24.9	24.2	24.8	24.8	24.8	25.0

Appendix Table 5. Water Chemistry Parameters fo *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 29 June 2005 to 27 July 2005.
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
29-Jun-05	0	7:50	1	6.9	6.6	6.8	6.6	2.6	6.6	5.5	7.0	5.8	7.6	6.3	7.5	7.1	7.4	4.3
29-Jun-05	0	7:50	2	6.9	6.8	6.8	6.7	6.6	7.3	6.6	7.2	6.9	6.7	7.3	7.5	7.3	5.9	4.5
29-Jun-05	0	7:50	3	6.7	6.8	5.8	7.0	2.8	7.0	5.2	7.1	7.0	6.2	6.4	7.8	7.4	5.6	3.3
29-Jun-05	0	7:50	4	6.8	6.8	6.5	7.3	3.9	7.2	7.0	7.2	7.2	5.7	7.2	7.9	7.3	6.9	3.9
29-Jun-05	0	7:50	5	7.0	6.8	6.3	6.8	6.1	6.6	6.9	7.1	7.1	7.3	7.5	7.8	7.5	7.6	5.2
29-Jun-05	0	7:50	6	6.7	6.9	6.0	5.5	6.3	6.6	6.6	6.6	6.8	7.3	5.6	7.9	5.9	7.6	6.6
29-Jun-05	0	7:50	7	7.0	6.8	6.8	5.6	6.3	6.9	6.4	6.7	7.0	7.3	7.0	8.0	7.4	7.2	3.6
29-Jun-05	0	7:50	8	6.9	6.9	6.6	6.3	5.9	6.1	7.0	6.3	7.0	7.3	6.8	8.1	7.7	7.5	4.0
29-Jun-05	0	4:20	1	6.9	7.0	6.9	5.7	4.6	5.8	7.9	7.2	5.4	7.1	4.6	5.8	6.2	6.8	5.2
29-Jun-05	0	4:20	4	7.4	7.0	6.9	6.0	4.6	7.8	8.0	8.1	4.1	6.2	8.0	5.8	8.0	5.2	4.2
30-Jun-05	1	7:00	4	6.8	6.9	7.3	6.8	6.7	6.9	7.7	7.8	5.1	7.8	7.5	5.4	7.7	5.2	4.3
30-Jun-05	1	7:00	6	6.7	7.1	7.4	7.4	6.8	5.7	7.1	7.6	5.4	7.6	6.0	6.0	6.6	6.7	7.4
30-Jun-05	1	15:45	4	6.9	6.0	6.6	5.0	5.5	6.4	7.2	6.6	7.2	6.5	7.4	6.3	6.8	6.7	6.2
30-Jun-05	1	15:45	8	7.1	6.6	6.6	6.9	6.6	6.8	7.1	6.4	3.9	6.8	6.0	6.8	6.4	7.0	4.6
1-Jul-05	2	8:00	4	7.5	7.3	7.3	5.1	5.3	6.8	6.9	7.6	7.4	7.4	7.5	7.7	7.4	7.2	6.2
1-Jul-05	2	0:00	5	7.3	7.2	7.2	6.2	6.3	6.6	6.9	7.6	7.3	7.1	7.5	6.7	7.4	6.1	7.3
1-Jul-05	2	15:15	2	6.1	6.5	5.2	4.8	4.7	6.6	7.0	7.4	7.1	7.4	6.6	6.7	6.0	4.7	4.1
1-Jul-05	2	15:15	4	7.0	5.9	6.0	7.2	5.2	6.7	7.3	7.0	6.3	7.0	7.1	5.9	6.5	6.1	4.2
2-Jul-05	3	8:15	4	6.9	6.0	6.0	6.8	7.1	7.2	7.3	7.0	6.8	6.7	7.2	6.6	7.3	5.7	7.3
2-Jul-05	3	8:15	7	6.8	6.7	7.2	5.7	4.1	7.2	7.2	7.3	7.2	7.3	6.5	7.0	7.5	6.6	5.3
2-Jul-05	3	16:30	3	7.0	6.9	6.9	6.6	5.6	7.1	6.4	6.1	4.8	5.5	7.3	5.8	7.1	7.1	6.7
2-Jul-05	3	16:30	4	7.0	7.1	6.6	6.8	6.0	7.2	7.3	7.2	7.3	6.5	7.3	6.6	6.8	6.5	5.2
3-Jul-05	4	8:10	1	6.9	5.6	6.9	6.1	2.5	6.6	6.9	6.6	6.4	6.3	6.3	6.5	6.2	6.2	6.2
3-Jul-05	4	8:10	4	6.9	6.1	6.5	5.4	6.5	6.6	7.0	6.8	7.1	5.4	6.9	5.9	6.4	6.8	6.1
3-Jul-05	4	16:00	3	6.5	5.5	5.1	5.2	4.2	6.3	5.9	6.8	5.0	5.7	6.7	4.8	6.6	6.6	6.7
3-Jul-05	4	16:00	4	6.4	6.6	4.9	4.7	6.6	6.5	6.9	7.0	6.2	6.3	6.4	5.0	6.2	6.7	5.7
4-Jul-05	5	8:00	4	6.8	6.9	6.8	6.8	6.5	7.2	7.3	7.3	7.3	7.3	7.2	7.0	7.3	7.2	6.1
4-Jul-05	5	8:00	6	6.7	6.7	7.1	7.3	6.4	6.8	6.7	7.3	6.6	7.3	6.9	4.9	5.2	7.4	7.3
4-Jul-05	5	16:15	4	6.9	7.0	6.0	7.1	7.4	6.2	7.6	7.5	6.2	7.0	7.2	6.5	7.2	7.2	5.4
4-Jul-05	5	16:15	8	7.3	6.9	6.1	7.3	6.9	6.9	7.4	6.4	7.2	6.9	7.1	6.6	7.0	6.6	3.4
5-Jul-06	6	6:30	4	7.7	7.1	7.2	6.9	7.2	7.3	7.4	7.2	7.3	6.6	6.9	6.1	7.3	7.5	5.8
5-Jul-06	6	6:30	5	7.7	6.5	6.6	7.2	7.1	6.6	7.6	7.2	5.9	6.5	7.2	3.0	4.7	6.9	6.9
5-Jul-06	6	14:30	2	6.6	5.9	5.6	7.3	7.0	7.5	7.6	7.7	7.3	6.5	7.7	6.9	6.2	6.1	5.7
5-Jul-06	6	14:30	4	7.7	6.6	6.7	7.5	7.2	6.5	7.5	7.7	7.6	7.0	7.5	7.0	6.5	6.6	5.9
6-Jul-05	7	7:20	4	7.8	6.7	7.1	7.2	6.3	7.4	6.9	7.4	7.9	6.9	7.0	6.0	6.1	7.2	6.2
6-Jul-05	7	7:20	7	6.9	6.5	6.5	6.6	7.6	7.1	7.1	7.6	6.9	7.5	6.7	6.8	7.1	6.4	7.0
6-Jul-05	7	15:30	3	6.9	7.3	6.0	7.5	6.4	7.7	5.6	7.6	6.1	7.7	6.7	6.9	7.7	7.3	6.9
6-Jul-05	7	15:30	4	7.1	6.9	5.4	7.4	6.8	7.6	7.7	7.7	7.6	7.9	6.9	7.2	7.2	7.3	7.0
7-Jul-05	8	6:30	4	7.3	6.4	6.6	7.1	6.3	6.5	7.5	7.3	6.7	7.2	7.3	7.0	7.1	6.0	7.0
7-Jul-05	8	6:30	6	7.5	6.3	6.5	6.4	5.9	7.5	7.0	7.0	6.4	6.9	7.1	7.2	6.4	6.0	7.1
7-Jul-05	8	15:15	4	7.1	6.7	6.5	4.9	6.8	7.3	6.8	4.7	2.3	6.6	7.3	7.6	6.5	7.5	6.7
7-Jul-05	8	15:15	8	7.4	6.6	7.2	7.3	6.5	7.8	7.4	7.4	6.3	7.3	7.4	6.6	7.6	7.4	7.7
8-Jul-08	9	6:45	4	6.4	6.6	6.9	7.0	6.4	7.2	6.7	7.1	7.4	7.2	7.6	6.9	7.1	6.4	6.6
8-Jul-08	9	6:45	7	6.7	6.5	7.2	6.6	6.7	6.9	7.1	6.8	7.4	7.0	7.4	6.7	6.9	7.2	6.9
8-Jul-08	9	15:15	1	6.6	6.9	6.6	5.7	6.8	7.2	7.2	6.9	4.5	5.3	6.3	5.0	6.3	6.4	7.1
8-Jul-08	9	15:15	4	7.6	7.0	6.2	6.3	6.9	7.1	7.0	7.2	7.3	5.0	6.8	6.5	6.7	6.7	6.9
9-Jul-05	10	8:00	4	6.2	5.9	6.9	6.0	4.9	6.3	6.8	6.9	6.3	6.4	5.6	6.6	6.8	5.8	6.1
9-Jul-05	10	8:00	5	6.1	5.8	5.9	6.3	5.0	6.2	6.8	6.2	5.6	5.4	5.9	5.4	5.8	5.3	6.4
9-Jul-05	10	17:30	2	6.6	6.5	6.2	3.5	6.5	6.6	6.7	5.9	6.6	6.2	6.1	6.4	6.1	5.9	6.3
9-Jul-05	10	17:30	4	6.6	5.9	6.6	3.6	6.5	6.3	6.8	6.4	6.6	5.6	6.6	6.5	4.9	5.8	5.7
10-Jul-05	11	8:00	4	6.4	5.8	6.4	5.9	5.0	6.3	6.2	6.2	6.3	5.2	6.4	5.8	5.3	5.3	6.2
10-Jul-05	11	8:00	7	5.9	4.4	6.0	6.2	4.4	5.9	5.0	6.2	6.2	5.9	6.1	5.5	5.9	6.1	6.6
10-Jul-05	11	18:20	3	6.7	6.0	5.0	6.7	4.9	6.2	6.6	6.5	4.2	4.8	5.4	5.9	5.8	5.0	5.0
10-Jul-05	11	18:20	4	6.5	6.5	6.4	6.6	6.5	6.3	6.6	6.6	6.4	5.1	5.4	6.3	4.9	5.4	5.6

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
11-Jul-05	12	6:00	1	6.4	4.4	5.5	6.1	6.1	5.0	6.4	6.0	4.7	5.4	5.9	4.1	5.3	4.7	5.9
11-Jul-05	12	6:00	4	6.7	5.9	6.6	6.6	6.4	6.1	6.9	6.4	6.7	5.2	6.1	5.9	5.0	5.1	6.1
11-Jul-05	12	15:15	4	6.4	5.8	6.3	6.5	4.4	5.4	6.7	6.6	5.6	5.0	6.6	4.4	5.3	5.1	5.5
11-Jul-05	12	15:15	5	6.0	5.4	6.3	6.6	4.8	6.6	5.6	6.3	5.4	4.8	5.5	3.3	4.2	4.6	5.5
12-Jul-05	13	8:00	4	6.3	6.4	6.3	6.1	5.1	5.6	6.4	6.4	6.9	6.0	6.9	5.8	6.4	6.7	4.7
12-Jul-05	13	8:00	6	5.9	6.0	6.0	6.4	5.3	5.9	5.7	6.8	6.3	6.3	6.5	6.5	6.4	5.3	6.4
12-Jul-05	13	15:00	4	6.4	5.6	4.9	4.8	6.1	6.2	6.2	5.9	6.0	5.1	6.3	5.3	6.3	6.2	4.3
12-Jul-05	13	15:00	8	6.3	5.5	6.2	6.0	6.1	6.1	5.6	5.6	4.5	5.7	6.2	6.0	5.9	3.9	5.9
13-Jul-05	14	8:30	4	6.6	5.8	6.5	5.7	5.5	6.4	6.4	6.0	6.2	6.3	6.3	6.1	6.4	6.4	4.9
13-Jul-05	14	8:30	5	6.3	5.9	6.1	6.3	5.2	6.0	6.4	6.1	5.2	6.1	6.0	4.8	5.2	5.7	5.2
13-Jul-05	14	14:50	2	6.7	6.2	6.3	5.8	6.0	6.4	6.3	6.3	6.1	6.4	6.5	6.0	6.1	6.2	5.5
13-Jul-05	14	14:50	4	6.6	6.6	6.4	5.5	5.9	6.2	6.4	6.1	6.3	6.1	5.9	5.1	6.3	6.3	5.9
14-Jul-05	15	8:00	4	6.4	6.1	6.2	5.9	4.8	6.1	5.0	6.4	6.3	6.1	6.4	6.0	6.2	6.3	5.2
14-Jul-05	15	8:00	7	6.2	4.2	6.2	5.9	6.2	6.4	6.5	6.5	6.1	6.3	6.5	6.1	6.0	5.6	6.0
14-Jul-05	15	15:00	3	6.7	5.1	6.2	4.6	5.0	6.3	6.4	6.3	3.9	5.3	6.0	4.6	6.2	5.9	6.1
14-Jul-05	15	15:00	4	6.6	5.2	6.0	4.2	6.1	6.3	6.3	6.1	6.2	5.9	6.1	5.0	6.1	6.2	5.0
15-Jul-05	16	6:30	1	6.2	3.3	5.1	3.0	3.7	5.8	6.6	6.7	5.2	6.5	6.6	6.0	6.2	6.5	6.8
15-Jul-05	16	6:30	4	6.8	6.1	5.8	4.4	5.1	6.6	6.4	6.8	6.5	6.4	5.8	6.0	6.4	6.8	6.6
15-Jul-05	16	16:00	4	6.6	6.1	6.3	6.7	5.5	6.3	6.8	7.0	6.5	6.7	6.4	6.2	7.0	6.6	6.4
15-Jul-05	16	16:00	8	6.7	6.4	4.9	6.6	6.4	6.4	6.0	7.1	4.2	6.8	6.5	6.0	6.7	6.2	6.6
16-Jul-05	17	5:30	4	6.4	4.2	5.8	4.8	5.3	5.2	6.1	6.4	6.3	6.1	6.2	5.4	6.4	6.6	6.2
16-Jul-05	17	5:30	6	6.0	5.7	6.2	4.1	5.6	6.2	6.3	5.9	6.4	6.9	6.6	6.1	6.7	5.4	6.7
16-Jul-05	17	14:45	4	6.1	5.0	6.1	6.3	4.2	6.3	6.4	6.6	6.6	5.6	5.4	5.4	4.1	5.4	5.6
16-Jul-05	17	14:45	8	6.4	6.1	5.7	5.4	5.7	6.4	5.8	7.3	5.1	6.2	5.9	5.9	6.3	5.7	5.9
17-Jul-05	18	9:45	4	6.4	3.4	6.4	6.3	6.0	6.1	6.5	6.7	6.3	6.0	6.1	4.3	6.5	6.1	6.1
17-Jul-05	18	9:45	5	6.4	2.4	6.1	6.4	5.6	6.1	6.6	6.5	4.4	6.2	5.8	5.9	6.1	5.6	6.5
17-Jul-05	18	15:00	2	6.6	3.9	6.2	5.9	3.7	5.0	6.0	6.6	6.0	5.9	6.2	5.7	5.3	5.9	5.4
17-Jul-05	18	15:00	4	6.1	5.8	6.1	6.1	5.3	5.4	6.4	6.4	6.4	6.0	6.0	4.9	6.4	6.3	6.1
18-Jul-05	19	7:00	4	6.1	6.3	6.3	5.9	5.4	5.7	6.1	6.2	6.3	5.9	5.3	5.1	6.1	6.1	5.7
18-Jul-05	19	7:00	7	6.3	5.2	5.9	6.3	5.7	5.7	5.7	5.9	5.7	6.1	5.9	5.5	5.6	6.2	6.3
18-Jul-05	19	16:00	3	6.2	5.8	6.2	5.8	4.6	6.0	6.0	6.1	5.4	5.0	5.5	4.4	6.0	4.4	5.7
18-Jul-05	19	16:00	4	6.1	5.2	6.2	6.0	4.9	5.9	5.8	6.0	6.3	5.9	5.6	5.6	5.3	5.6	5.5
19-Jul-05	20	7:30	1	6.4	5.1	6.5	6.4	5.6	6.0	6.1	6.4	5.1	6.5	6.2	5.3	5.8	6.1	6.6
19-Jul-05	20	7:30	4	6.3	6.0	6.4	6.0	5.5	6.0	6.2	6.3	6.4	6.3	6.6	5.7	6.3	6.0	6.1
19-Jul-05	20	15:20	2	6.9	5.4	6.2	6.0	3.9	5.2	5.8	6.2	6.0	5.9	6.1	6.2	5.5	5.7	4.5
19-Jul-05	20	15:20	4	6.3	6.0	6.2	6.1	4.1	5.2	6.2	6.2	4.8	5.1	5.4	5.8	5.8	6.0	4.5
20-Jul-05	21	6:30	4	6.7	5.0	6.3	6.1	4.1	5.9	6.1	6.1	6.1	5.9	5.7	5.7	5.9	5.3	4.0
20-Jul-05	21	6:30	6	6.3	5.9	6.2	6.1	5.7	5.9	4.7	6.1	5.1	6.0	5.8	5.3	5.4	5.2	5.7
20-Jul-05	21	16:00	4	6.6	5.0	6.9	7.1	6.0	6.3	7.0	7.2	5.1	5.9	6.9	6.5	6.3	6.2	5.2
20-Jul-05	21	16:00	8	7.2	7.0	6.8	6.9	7.3	6.8	7.2	7.0	6.5	7.2	7.3	6.7	6.7	4.3	7.0
21-Jul-05	22	8:00	4	7.7	4.5	7.0	5.4	7.3	7.2	7.2	8.0	7.4	7.5	6.8	7.7	7.9	7.6	7.3
21-Jul-05	22	8:00	5	7.5	5.6	6.9	6.8	7.7	7.2	6.9	7.9	6.0	6.8	8.0	7.6	7.6	7.0	7.7
21-Jul-05	22	15:30	2	8.1	4.5	7.3	7.4	6.0	4.8	7.1	7.1	7.2	6.6	6.5	7.5	5.6	6.1	5.5
21-Jul-05	22	15:30	4	7.7	5.2	7.5	7.4	6.6	6.3	7.1	7.1	5.0	5.6	6.7	7.2	7.0	5.9	6.1
22-Jul-05	23	7:30	4	7.7	1.9	6.6	7.0	7.1	7.0	6.7	7.5	6.9	7.2	7.1	7.0	7.2	6.0	5.4
22-Jul-05	23	7:30	7	7.4	2.5	7.2	6.9	5.7	7.1	6.5	7.4	6.9	7.0	6.7	7.1	7.2	4.8	7.2
22-Jul-05	23	14:30	3	8.0	4.5	7.0	6.7	5.9	6.8	7.0	7.5	4.7	7.5	7.3	4.8	7.0	4.1	7.4
22-Jul-05	23	14:30	4	7.8	5.2	6.0	7.3	7.3	7.2	7.4	7.3	5.8	7.0	6.8	7.2	7.4	6.1	5.6
23-Jul-05	24	8:00	1	7.8	1.9	7.5	6.9	6.6	5.9	6.0	7.7	7.4	7.5	7.5	5.3	6.1	7.3	7.0
23-Jul-05	24	8:00	4	8.0	6.5	7.4	7.4	6.2	7.4	7.7	7.3	7.8	7.9	6.8	7.3	7.1	7.0	6.3
23-Jul-05	24	15:15	4	7.8	6.9	7.4	7.7	6.4	6.7	7.5	7.6	7.5	7.2	7.0	7.4	7.4	6.5	6.1
23-Jul-05	24	15:15	6	7.8	4.6	7.4	7.6	6.1	7.1	6.9	7.7	5.6	7.3	7.5	7.0	7.4	7.2	7.4
24-Jul-05	25	8:15	4	7.8	7.8	7.9	7.1	6.2	7.0	7.2	7.6	7.4	6.3	7.1	7.4	7.0	7.5	6.6
24-Jul-05	25	8:15	6	7.9	6.8	7.5	7.5	6.3	7.0	6.8	7.8	6.4	7.6	7.6	7.0	7.5	7.1	7.6
24-Jul-05	25	15:20	4	8.2	5.2	7.4	5.7	6.4	7.1	7.3	7.6	7.3	6.9	7.2	7.1	7.2	7.2	5.5
24-Jul-05	25	15:20	8	8.0	7.2	7.1	7.2	6.8	7.2	7.0	7.3	4.6	6.8	7.3	6.3	7.2	4.6	7.3

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
25-Jul-05	26	8:00	4	8.0	5.5	7.3	7.1	7.0	6.6	7.3	7.4	7.3	7.1	7.3	3.7	7.4	7.2	6.1
25-Jul-05	26	8:00	5	7.7	5.8	7.4	7.1	7.2	6.3	7.2	7.4	6.1	6.8	7.2	6.6	7.0	6.4	7.4
25-Jul-05	26	16:00	2	8.3	6.2	7.5	6.2	5.1	4.3	6.7	7.3	6.8	6.3	5.5	6.9	6.3	7.1	6.3
25-Jul-05	26	16:00	4	8.5	4.5	7.2	5.7	4.5	6.0	7.1	7.2	7.0	7.1	4.9	6.8	7.0	6.9	6.0
26-Jul-05	27	8:30	4	8.2	3.8	7.5	6.7	6.1	7.0	7.7	8.0	7.9	7.8	7.2	6.6	8.0	8.0	7.2
26-Jul-05	27	8:30	7	7.2	5.3	7.7	7.1	5.1	7.7	7.7	7.9	7.4	7.8	7.7	8.1	8.2	7.4	7.5
26-Jul-05	27	15:45	3	7.5	4.9	7.6	7.3	3.9	7.0	7.2	7.6	5.9	7.3	7.5	6.6	7.2	7.3	5.8
26-Jul-05	27	15:45	4	9.2	5.0	7.3	7.3	4.9	5.9	6.9	7.3	7.2	7.7	6.7	6.8	7.2	7.3	6.0
27-Jul-05	28	6:00	1	7.6	3.5	7.5	7.1	6.3	5.3	7.2	7.7	6.2	6.7	6.6	6.5	7.2	7.7	7.5
27-Jul-05	28	6:00	2	6.1	7.0	7.5	6.9	6.7	5.6	6.7	7.6	7.0	7.1	6.8	6.8	6.9	7.8	7.2
27-Jul-05	28	6:00	3	7.4	6.1	7.5	7.1	6.1	7.2	7.4	7.5	6.4	7.3	7.0	6.8	7.2	7.0	6.9
27-Jul-05	28	6:00	4	7.1	6.9	7.4	7.3	6.9	7.1	7.5	7.6	7.3	7.5	6.7	7.2	7.4	7.2	7.2
27-Jul-05	*28*	*6:00*	*5*	7.3	5.7	7.3	6.9	7.3	6.2	7.5	7.4	6.3	7.5	7.0	7.5	7.5	6.5	6.1
27-Jul-05	28	6:00	6	7.3	6.8	7.4	7.0	6.7	6.5	7.2	7.6	6.6	7.7	7.2	7.3	7.4	7.2	7.3
27-Jul-05	28	6:00	7	7.4	4.0	7.3	6.9	6.0	6.7	7.4	7.9	7.1	7.6	6.8	7.5	7.7	6.3	7.4
27-Jul-05	28	6:00	8	7.3	6.6	7.5	7.0	7.0	5.9	7.5	7.9	6.0	7.6	6.9	7.5	7.5	6.0	7 5
			Average	**7.0**	**5.9**	**6.6**	**6.3**	**5.8**	**6.5**	**6.7**	**6.9**	**6.3**	**6.6**	**6.6**	**6.3**	**6.6**	**6.3**	**6.0**
			Minimum	5.9	1.9	4.9	3.0	2.5	4.3	4.7	4.7	2.3	4.8	4.6	3.0	4.1	3.9	3.3
			Maximum	9.2	7.8	7.9	7.7	7.7	7.8	8.0	8.1	7.9	7.9	8.0	8.1	8.2	8.0	7.7

Appendix Table 5. Water Chemistry Parameters fo *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 29 June 2005 to 27 July 2005.
pH

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
29-Jun-05	0	7:50	1	8.00	7.57	7.79	7.50	6.96	7.57	7.58	7.85	7.70	7.97	7.08	7.67	7.43	7.70	7.00
29-Jun-05	0	7:50	4	8.10	7.75	7.95	7.90	6.79	7.73	7 93	7.97	7.88	7.48	7.53	7.97	7.95	7.62	6.88
29-Jun-05	0	7:50	5	8.10	7.98	7.70	7.93	7.43	7.63	7.77	7.93	7.76	7.90	7.89	8.00	7.55	7.88	7.19
29-Jun-05	0	7:50	8	8.10	7.90	7.83	7.25	7.53	7.40	7.96	8.01	7.68	7.93	7.24	8.02	7.89	7.93	6.94
2-Jul-05	3	8:15	4	7.71	7.50	7.54	7.34	7.85	7.66	7.93	7.78	7.60	7.56	7.84	7.64	7.77	7.45	7.50
2-Jul-05	3	8:15	7	7.68	7.82	7.73	7.84	7.21	7.73	7.92	7.80	7.71	7.85	7.72	7.90	7.88	7.65	7.83
5-Jul-06	6	6:30	4	7.92	7 88	7 84	7 77	7.68	7.77	7.98	7.84	7.95	8.01	7.93	7.58	7.91	7.84	7.60
5-Jul-06	6	6:30	5	7.85	7.68	7.70	7.68	7.89	7.80	7.90	7.89	7.49	7.91	7.91	7.17	7.41	7.90	7.71
7-Jul-05	8	6:30	4	8.45	7.77	7.77	7.61	7.68	7.80	7.90	7.78	7.83	7.83	7.87	7.58	7.89	7.87	7.69
7-Jul-05	8	6:30	6	8.01	7.84	7.83	7.73	7.85	7.81	7.80	7.82	7.52	7.82	7.68	7.75	7.60	7.92	7.95
9-Jul-05	10	8:00	4	7.97	8.01	7.78	7.63	7.59	7.89	8.04	7.94	7.98	7.92	7.60	7.85	7.80	7.70	7.86
9-Jul-05	10	8:00	5	8.06	7.90	7.92	7.87	7.35	7.76	8.01	8.01	7.61	7.66	7.68	7.45	7.67	7.65	7.94
12-Jul-05	13	8:00	4	8.21	7.84	7.96	7.97	7.84	7.86	7.96	7.96	7.98	8.06	7.98	7.85	8.03	7.96	7.51
12-Jul-05	13	8:00	6	8.13	7.92	7.86	7.94	7.85	7.81	8.05	7.96	7.99	8.01	8.01	7.98	7.85	7.73	7.58
14-Jul-05	15	8:00	4	8.06	7.92	7.88	7.74	7.59	7.70	7.66	8.06	7.98	8.09	8.00	8.08	8.10	8.08	7.67
14-Jul-05	15	8:00	7	8.07	6.81	7.99	7.80	7.97	7.84	8.02	8.07	7.72	8.08	7.68	8.11	8.01	7.81	8.04
16-Jul-05	17	5:30	4	8.00	8.06	7.62	7.62	7.51	7.56	7.60	7.97	7.92	7.92	8.06	8.00	8.12	8.06	7.51
16-Jul-05	17	5:30	6	8.10	7.81	7.59	7.67	7.82	7.81	7.57	7.99	7.72	7.97	8.04	7.99	8.06	7.93	7.62
19-Jul-05	20	7:30	1	8.09	7.58	8.00	7.84	7.84	7.74	8.07	8.09	7.59	7.92	8.10	7.76	7.95	7.98	8.03
19-Jul-05	20	7:30	4	8.10	7.57	8.09	7.82	7.75	7.70	8.07	8.11	7.98	8.14	8.06	7.82	8.10	7.99	7.95
21-Jul-05	22	8:00	4	8.09	6.80	7.94	7.30	7.79	7.59	7.99	8.10	7.97	8.06	7.80	7.92	7.96	7.93	7.66
21-Jul-05	22	8:00	5	8.11	6.97	7.96	6.76	7.93	7.61	7.86	8.11	7.81	8.00	8.02	7.50	7.88	7.89	7.92
23-Jul-05	24	8:00	1	8.11	6.92	8.05	7.98	7.72	7.18	7.76	8.20	7.63	8.17	8.03	7.55	7.63	7.68	7.84
23-Jul-05	24	8:00	4	8.17	8.12	7.78	8.00	7.93	7.64	8.08	8.18	8.07	8.08	7.92	7.99	8.08	7.86	7.50
27-Jul-05	28	6:00	1	8.50	6.96	8.02	8.00	7.66	7.22	7.97	8.21	6.99	8.17	8.00	7.86	8.07	8.06	7.83
27-Jul-05	28	6:00	4	8.12	7.71	8.06	8.00	7.83	7.60	8.03	8.20	7.96	8.12	7.83	8.05	8.16	7.95	7.84
27-Jul-05	28	6:00	5	8.14	7.27	8.08	7.90	7.85	7.67	8.05	8.13	7.51	8.00	7.80	7.99	8.05	7.84	8.08
27-Jul-05	28	6:00	8	8.15	7.76	8.10	7.92	7.90	7.48	8.09	8.22	7.43	8.07	7.92	8.14	8.08		8.08
			Average	**8.08**	**7.63**	**7.87**	**7.73**	**7.66**	**7.66**	**7.91**	**8.01**	**7.75**	**7.95**	**7.83**	**7.83**	**7.89**	**7.85**	**7.67**
			Minimum	7.68	6.80	7.54	6.76	6.79	7.18	7.57	7.78	6.99	7.48	7.08	7.17	7.41	7.45	6.88
			Maximum	8.50	8.12	8.10	8.00	7.97	7.89	8.09	8.22	8.07	8.17	8.10	8.14	8.16	8.08	8.08

Appendix Table 5. Water Chemistry Parameters fo *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 29 June 2005 to 27 July 2005.
Conductivity (µmhos/cm)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
29-Jun-05	0	7:50	1	163	161	138	133	188	133	143	139	129	139	138	139	131	141	122
29-Jun-05	0	7:50	8	150	148	135	134	144	135	143	138	131	138	133	140	134	139	124
5-Jul-05	6	6:30	4	130	142	126	126	138	124	134	129	131	132	130	135	127	128	130
5-Jul-05	6	6:30	5	130	144	127	126	136	124	132	128	130	130	129	143	129	127	129
12-Jul-05	13	8:00	4	112	127	111	112	119	105	118	116	113	113	115	117	117	117	117
12-Jul-05	13	8:00	6	113	126	111	112	121	105	123	115	112	112	115	117	117	117	116
19-Jul-05	20	7:30	1	159	183	160	166	156	137	153	155	146	152	151	158	154	153	147
19-Jul-05	20	7:30	4	154	197	155	148	156	137	153	155	147	152	152	157	154	153	147
27-Jul-05	28	6:00	1	138	172	130	130	131	116	130	133	129	130	134	133	130	127	129
27-Jul-05	28	6:00	8	130	152	129	131	130	120	130	133	130	130	132	133	130	128	128
			Average	**137.9**	**155.1**	**132.3**	**131.9**	**141.9**	**123.4**	**136.0**	**134.2**	**129.9**	**132.9**	**132.8**	**137.2**	**132.4**	**132.9**	**129.0**
			Minimum	112	126	111	112	119	105	118	115	112	112	115	117	117	117	116
			Maximum	163	197	160	166	188	137	153	155	147	152	152	158	154	153	147

Appendix Table 5. Water Chemistry Parameters fo *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 29 June 2005 to 27 July 2005
Ammonia (ppm)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
29-Jun-05	0	7:50	1	<0.063	<0.063	0.112	<0.063	0.788	<0.063	0.208	0.101	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
29-Jun-05	0	7:50	8	<0.063	<0.063	0.107	<0.063	0.201	<0.063	0.137	0.084	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
27-Jul-05	28	6:00	1	<0.063	<0.063	<0.063	<0.063	0.066	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
27-Jul-05	28	6:00	8	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063		<0.063
			Average	**<0.063**	**<0.063**	**0.073**	**<0.063**	**0.272**	**<0.063**	**0.102**	**<0.063**	**<0.063**	**<0.063**	**<0.063**	**<0.063**	**<0.063**	**<0.063**	**<0.063**
			Minimum	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
			Maximum	<0.063	<0.063	0.112	<0.063	0.788	<0.063	0.208	0.101	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063

Appendix Table 5. Water Chemistry Parameters fo *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 29 June 2005 to 27 July 2005.
DOC (ppm)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
29-Jun-05	0	7:50	1	3.7	4.7	5.5	5.2		6.1	5.6	3.5	9.2	4.8	10.8	6.3	7.1	6.2	13.4
29-Jun-05	0	7:50	8	3.5	7.6	3.6		5.6	6.0	4.2	4.0	7.6	4.8	10.3	5.4	6.4	5.1	11.8
27-Jul-05	28	6:00	1	4.4	10.9	1.8	2.2	2.1	2.7	1.8	2.6	2.1	1.9	1.9	2.3	2.0	2.1	2.0
27-Jul-05	28	6:00	8	1.9	11.1	1.8	1.9	1.7	1.9	1.8	1.9	2.1	1.8	1.8	4.9	2.0	2.0	2.0
			Average	**3.4**	**8.6**	**3.2**	**3.1**	**3.1**	**4.2**	**3.4**	**3.0**	**5.3**	**3.3**	**6.2**	**4.7**	**4.4**	**3.9**	**7.3**
			Minimum	1.9	4.7	1.8	1.9	1.7	1.9	1.8	1.9	2.1	1.8	1.8	2.3	2.0	2.0	2.0
			Maximum	4.4	11.1	5.5	5.2	5.6	6.1	5.6	4.0	9.2	4.8	10.8	6.3	7.1	6.2	13.4

Appendix Table 5. Water Chemistry Parameters fo *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor. 29 June 2005 to 27 July 2005
Hardness (mg/L as CaCO3)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
29-Jun-05	0	7:50	3	38.8	51.2	51.6	55.2	60.0	52.8	53.2	50.8	55.6	62.4	54.8	53.6	54.0	54.0	56.8
29-Jun-05	0	7:50	7	54.4	50.0	52.4	52.8	63.2	50.8	53.2	50.8	56.4	53.6	56.8	53.2	53.6	52.0	57.6
27-Jul-05	28	6:00	3	48.0	61.2	48.0	46.8	48.8	44.4	48.0	50.8	48.8	47.6	49.2	51.2	50.4	50.0	48.0
27-Jul-05	28	6:00	7	47.6	67.6	47.2	48.8	48.8	44.8	48.4	49.6	48.8	50.0	50.4	52.8	51.2	48.8	49.6
			Average	**47.2**	**57.5**	**49.8**	**50.9**	**55.2**	**48.2**	**50.7**	**50.5**	**52.4**	**53.4**	**52.8**	**52.7**	**52.3**	**51.2**	**53.0**
			Minimum	38.8	50.0	47.2	46.8	48.8	44.4	48.0	49.6	48.8	47.6	49.2	51.2	50.4	48.8	48.0
			Maximum	54.4	67.6	52.4	55.2	63.2	52.8	53.2	50.8	56.4	62.4	56.8	53.6	54.0	54.0	57.6

Appendix Table 5. Water Chemistry Parameters fo *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 29 June 2005 to 27 July 2005.
Alkalinity (mg/L as CaCO3)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
29-Jun-05	0	7:50	2	51.2	50.0	46.8	50.8	52.8	47.6	48.0	48.4	50.8	45.6	47.6	50.0	51.2	51.6	51.2
29-Jun-05	0	7:50	6	49.6	46.4	48.8	44.4	51.6	48.0	51.2	48.8	48.8	53.2	53.2	49.2	48.4	50.0	47.2
27-Jul-05	28	6:00	2	53.2	64.4	50.8	50.8	54.4	46.8	53.6	55.2	52.4	51.6	55.6	54.4	56.4	53.6	51.6
27-Jul-05	28	6:00	6	53.6	64.8	50.8	50.8	52.4	49.2	52.4	54.0	52.8	52.4	53.6	53.6	54.8	53.2	51.6
			Average	**51.9**	**56.4**	**49.3**	**49.2**	**52.8**	**47.9**	**51.3**	**51.6**	**51.2**	**50.7**	**52.5**	**51.8**	**52.7**	**52.1**	**50.4**
			Minimum	49.6	46.4	46.8	44.4	51.6	46.8	48.0	48.4	48.8	45.6	47.6	49.2	48.4	50.0	47.2
			Maximum	53.6	64.8	50.8	50.8	54.4	49.2	53.6	55.2	52.8	53.2	55.6	54.4	56.4	53.6	51.6

APPENDIX 6

Survival and Growth of *H. azteca* following 21-d of Exposure to Ashland Harbor Reference Sediments, 12 August 2005 to 2 September 2005

Appendix Table 6. Survival and Growth of *H. azteca* following 21-d od Exposure to Ashland Harbor Reference Sediments, 12 August 2005 to 2 September 2005.

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Devivation
A	Silica Sand	1	9		
A	Silica Sand	2	10		
A	Silica Sand	3	10		
A	Silica Sand	4	10		
A	Silica Sand	5	10		
A	Silica Sand	6	10		
A	Silica Sand	7	9		
A	Silica Sand	8	10	97.5	4.6
E	SQT10	1	3		
E	SQT10	2	8		
E	SQT10	3	5		
E	SQT10	4	6		
E	SQT10	5	3		
E	SQT10	6	4		
E	SQT10	7	4		
E	SQT10	8	7	50.0	18.5
G	SQT12	1	6		
G	SQT12	2	7		
G	SQT12	3	10		
G	SQT12	4	7		
G	SQT12	5	9		
G	SQT12	6	5		
G	SQT12	7	7		
G	SQT12	8	10	76.3	18.5
M	SQT5	1	9		
M	SQT5	2	5		
M	SQT5	3	10		
M	SQT5	4	6		
M	SQT5	5	8		
M	SQT5	6	10		
M	SQT5	7	8		
M	SQT5	8	9	81.3	18.1

APPENDIX 7

Water Chemistry Parameters for *H. azteca* Exposed to Sediments
from Ashland Harbor,
12 August 2005 to 2 September 2005

Appendix Table 7. Water Chemistry Parameters for *H. azteca* Exposed to Sediments from Ashland Harbor, 12 August 2005 to 2 September 2005. Temperature (° C)

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
12-Aug-05	0	6:35	1	23.4	23.5	23.3	23.7
12-Aug-05	0	6:35	2	23.4	23.4	23.2	23.7
12-Aug-05	0	6:35	3	23.4	23.4	23.3	23.7
12-Aug-05	0	6:35	4	23.4	23.4	23.3	23.8
12-Aug-05	0	6:35	5	23.4	23.3	23.4	23.7
12-Aug-05	0	6:35	6	23.4	23.4	23.3	23.8
12-Aug-05	0	6:35	7	23.4	23.2	23.3	23.7
12-Aug-05	0	6:35	8	23.4	23.4	23.4	23.7
12-Aug-05	0	14:15	1	23.1	23.4	22.9	23.4
12-Aug-05	0	14:15	4	23.1	23.5	23.0	23.5
13-Aug-05	1	9:00	4	22.3	22.2	22.3	23.4
13-Aug-05	1	9:00	6	22.3	22.2	22.2	23.3
13-Aug-05	1	16:15	4	22.1	22.5	22.5	23.5
13-Aug-05	1	16:15	8	22.3	22.4	22.3	23.5
14-Aug-05	2	8:00	4	20.5	20.6	20.4	21.5
14-Aug-05	2	8:00	5	20.5	20.6	20.5	21.5
14-Aug-05	2	15:15	2	21.4	21.4	21.5	22.2
14-Aug-05	2	15:15	4	21.3	21.5	21.4	22.3
15-Aug-05	3	8:15	4	22.5	22.4	22.4	23.0
15-Aug-05	3	8:15	7	22.4	22.5	22.4	23.0
15-Aug-05	3	15:00	3	23.1	23.2	22.9	23.3
15-Aug-05	3	15:00	4	23.1	23.3	22.9	23.3
16-Aug-05	4	7:20	1	22.9	23.0	22.5	23.3
16-Aug-05	4	7:20	4	22.8	23.0	22.9	23.3
16-Aug-05	4	15:45	3	23.4	23.4	23.2	23.5
16-Aug-05	4	15:45	4	23.3	23.5	23.2	23.5
17-Aug-06	5	8:10	4	23.0	23.1	23.1	23.5
17-Aug-06	5	8:10	6	23.1	23.2	23.1	23.5
17-Aug-06	5	15:00	4	23.4	23.6	23.4	23.8
17-Aug-06	5	15:00	8	23.5	23.6	23.2	23.8
18-Aug-05	6	7:20	4	23.0	23.0	23.3	23.3
18-Aug-05	6	7:20	5	23.2	23.0	23.2	23.2
18-Aug-05	6	15:45	2	22.6	22.6	22.5	23.2
18-Aug-05	6	15:45	4	22.6	22.7	22.5	23.2

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
19-Aug-05	7	8:00	4	22.8	22.8	22.7	23.3
19-Aug-05	7	8:00	7	22.7	22.8	22.5	23.2
19-Aug-05	7	15:30	3	23.4	23.4	23.2	23.6
19-Aug-05	7	15:30	4	23.4	23.4	23.2	23.6
20-Aug-05	8	8:30	4	22.5	22.6	22.4	23.1
20-Aug-05	8	8:30	6	22.5	22.6	22.4	23.1
20-Aug-05	8	15:00	4	22.9	22.9	22.8	23.2
20-Aug-05	8	15:00	8	22.8	23.0	22.7	23.3
21-Aug-05	9	8:45	4	22.4	22.4	22.2	23.0
21-Aug-05	9	8:45	7	22.4	22.5	22.3	23.1
21-Aug-05	9	15:30	1	22.5	22.8	22.5	23.3
21-Aug-05	9	15:30	4	22.6	22.7	22.5	23.3
22-Aug-05	10	8:00	4	22.5	22.6	22.4	22.9
22-Aug-05	10	8:00	5	22.5	22.5	22.4	23.0
22-Aug-05	10	14:45	2	23.3	23.3	23.1	23.3
22-Aug-05	10	14:45	4	23.3	23.3	23.1	23.3
23-Aug-05	11	8:00	4	23.0	23.0	23.0	23.0
23-Aug-05	11	8:00	7	23.1	23.2	22.8	23.1
23-Aug-05	11	14:45	3	23.5	23.5	23.4	23.3
23-Aug-05	11	14:45	4	23.5	23.5	23.2	23.4
24-Aug-05	12	8:30	1	23.2	23.4	23.3	23.2
24-Aug-05	12	8:30	4	23.2	23.4	23.3	23.2
24-Aug-05	12	15:15	4	23.0	23.2	23.0	23.5
24-Aug-05	12	15:15	5	22.9	23.2	23.0	23.5
25-Aug-05	13	8:15	4	23.0	22.8	22.9	23.3
25-Aug-05	13	8:15	6	22.9	22.9	23.1	23.2
25-Aug-05	13	15:15	4	23.3	23.2	23.0	23.2
25-Aug-05	13	15:15	7	23.3	23.0	23.0	23.3
26-Aug-05	14	8:20	4	22.9	23.1	23.0	23.4
26-Aug-05	14	8:20	5	23.0	23.1	23.0	23.4
26-Aug-05	14	15:00	2	23.2	23.1	23.2	23.4
26-Aug-05	14	15:00	4	23.1	23.0	23.0	23.3
27-Aug-05	15	9:15	4	22.6	22.3	22.2	22.7
27-Aug-05	15	9:15	7	22.2	22.4	22.3	22.7
27-Aug-05	15	15:00	3	22.5	22.7	22.4	22.9
27-Aug-05	15	15:00	4	22.6	22.7	22.5	22.8

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
28-Aug-05	16	9:00	1	22.5	22.7	22.2	22.9
28-Aug-05	16	9:00	4	22.5	22.6	22.3	22.9
28-Aug-05	16	15:30	4	22.8	22.9	22.6	23.1
28-Aug-05	16	15:30	7	22.8	22.9	22.6	23.1
29-Aug-05	17	8:00	4	22.7	22.7	22.7	22.7
29-Aug-05	17	8:00	6	22.9	22.9	22.9	22.7
29-Aug-05	17	15:20	4	23.3	23.2	23.3	23.2
29-Aug-05	17	15:20	8	23.3	23.2	23.3	23.1
30-Aug-05	18	8:00	4	22.9	22.9	22.8	22.7
30-Aug-05	18	8:00	5	22.9	22.9	22.8	22.8
30-Aug-05	18	15:00	2	21.0	21.0	20.8	21.4
30-Aug-05	18	15:00	4	21.0	21.0	20.9	21.4
31-Aug-05	19	9:15	4	22.4	22.9	22.4	22.9
31-Aug-05	19	9:15	7	22.4	22.5	22.4	22.9
31-Aug-05	19	15:00	3	22.9	22.9	22.8	23.2
31-Aug-05	19	15:00	4	22.9	22.4	22.8	23.2
1-Sep-05	20	7:00	1	22.7	22.9	22.4	22.9
1-Sep-05	20	7:00	4	22.5	23.0	22.5	23.2
1-Sep-05	20	15:00	1	22.8	22.9	22.8	23.2
1-Sep-05	20	15:00	4	22.9	22.9	22.8	23.2
2-Sep-05	21	7:45	1	22.5	22.6	22.5	23.0
2-Sep-05	21	7:45	2	22.6	22.6	22.5	23.0
2-Sep-05	21	7:45	3	22.6	22.6	22.5	23.0
2-Sep-05	21	7:45	4	22.5	22.6	22.5	23.0
2-Sep-05	21	7:45	5	22.5	22.6	22.6	23.0
2-Sep-05	21	7:45	6	22.5	22.7	22.6	23.0
2-Sep-05	21	7:45	7	22.5	22.7	22.6	23.0
2-Sep-05	21	7:45	8	22.5	22.7	22.2	23.0
			Average	**22.8**	**22.8**	**22.7**	**23.1**
			Minimum	*20.5*	*20.6*	20.4	21.4
			Maximum	23.5	23.6	23.4	23.8

Appendix Table 7. Water Chemistry Parameters for *H. azteca* Exposed to Sediments from Ashland Harbor, 12 August 2005 to 2 September 2005.
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
12-Aug-05	0	6:35	1	7.2	3.0	6.9	6.8
12-Aug-05	0	6:35	2	7.0	4.2	4.9	2.8
12-Aug-05	0	6:35	3	7.2	6.3	6.8	6.7
12-Aug-05	0	6:35	4	7.2	7.2	5.4	6.1
12-Aug-05	0	6:35	5	7.3	4.3	4.7	6.8
12-Aug-05	0	6:35	6	7.4	6.1	3.0	6.5
12-Aug-05	0	6:35	7	7.1	4.3	4.4	4.3
12-Aug-05	0	6:35	8	7.2	4.4	6.7	4.0
12-Aug-05	0	14:15	1	6.9	3.7	6.3	6.0
12-Aug-05	0	14:15	4	6.8	5.6	5.4	6.0
13-Aug-05	1	9:00	4	7.5	7.3	6.1	6.2
13-Aug-05	1	9:00	6	7.6	7.4	5.0	6.6
13-Aug-05	1	16:15	4	7.2	5.9	5.8	6.4
13-Aug-05	1	16:15	8	7.0	4.9	6.4	4.4
14-Aug-05	2	8:00	4	7.7	5.4	7.1	5.5
14-Aug-05	2	8:00	5	7.7	2.5	7.0	4.8
14-Aug-05	2	15:15	2	6.9	3.4	5.1	4.0
14-Aug-05	2	15:15	4	7.1	5.8	6.4	6.5
15-Aug-05	3	8:15	4	7.5	4.8	7.0	6.8
15-Aug-05	3	8:15	7	7.4	5.5	7.1	6.9
15-Aug-05	3	15:00	3	7.5	5.1	6.8	6.1
15-Aug-05	3	15:00	4	7.5	6.1	7.0	6.8
16-Aug-05	4	7:20	1	7.4	4.4	5.9	7.5
16-Aug-05	4	7:20	4	7.5	6.4	6.7	7.6
16-Aug-05	4	15:45	3	7.0	4.2	6.9	7.4
16-Aug-05	4	15:45	4	6.6	4.1	7.0	5.6
17-Aug-06	5	8:10	4	7.5	5.0	6.7	5.9
17-Aug-06	5	8:10	6	7.3	4.6	6.7	6.2
17-Aug-06	5	15:00	4	6.8	5.8	7.1	5.5
17-Aug-06	5	15:00	8	6.9	3.8	5.8	4.9
18-Aug-05	6	7:20	4	6.9	5.9	7.4	5.2
18-Aug-05	6	7:20	5	7.4	4.6	6.6	5.9
18-Aug-05	6	15:45	2	7.4	9.4	7.7	7.0
18-Aug-05	6	15:45	4	7.6	6.9	7.4	6.3

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
19-Aug-05	7	8:00	4	7.4	2.1	7.4	5.7
19-Aug-05	7	8:00	7	7.4	5.5	7.5	5.8
19-Aug-05	7	15:30	3	7.2	7.0	7.3	5.5
19-Aug-05	7	15:30	4	7.2	7.2	7.2	5.9
20-Aug-05	8	8:30	4	7.8	7.3	7.8	7.3
20-Aug-05	8	8:30	6	7.3	5.6	7.8	7.0
20-Aug-05	8	15:00	4	7.8	7.6	7.9	6.7
20-Aug-05	8	15:00	8	7.8	6.6	7.5	6.0
21-Aug-05	9	8:45	4	7.6	6.9	7.4	7.3
21-Aug-05	9	8:45	7	7.9	7.1	7.1	7.1
21-Aug-05	9	15:30	1	8.0	6.4	8.2	5.0
21-Aug-05	9	15:30	4	8.2	7.6	8.3	6.7
22-Aug-05	10	8:00	4	7.8	7.1	7.8	7.9
22-Aug-05	10	8:00	5	7.8	6.8	8.1	7.6
22-Aug-05	10	14:45	2	7.3	6.8	6.8	6.9
22-Aug-05	10	14:45	4	7.1	6.0	6.7	7.0
23-Aug-05	11	8:00	4	6.8	6.4	7.2	7.1
23-Aug-05	11	8:00	7	7.4	6.9	6.6	7.3
23-Aug-05	11	14:45	3	7.5	5.3	7.2	8.0
23-Aug-05	11	14:45	4	7.4	5.3	7.1	7.4
24-Aug-05	12	8:30	1	7.5	7.2	6.6	7.0
24-Aug-05	12	8:30	4	7.7	4.8	7.0	7.2
24-Aug-05	12	15:15	4	7.6	7.7	7.3	6.1
24-Aug-05	12	15:15	5	7.5	4.0	7.0	5.3
25-Aug-05	13	8:15	4	7.4	6.9	7.6	6.6
25-Aug-05	13	8:15	6	7.0	6.9	7.9	7.4
25-Aug-05	13	15:15	4	7.2	7.4	7.6	6.3
25-Aug-05	13	15:15	7	6.9	7.2	7.2	6.7
26-Aug-05	14	8:20	4	7.6	6.1	7.1	5.6
26-Aug-05	14	8:20	5	7.6	4.3	6.2	5.2
26-Aug-05	14	15:00	2	7.6	6.9	7.4	6.9
26-Aug-05	14	15:00	4	7.4	7.1	7.3	6.1
27-Aug-05	15	9:15	4	7.0	6.3	8.0	5.9
27-Aug-05	15	9:15	7	6.9	8.0	8.1	6.5
27-Aug-05	15	15:00	3	7.6	6.0	7.8	7.1
27-Aug-05	15	15:00	4	7.4	4.1	7.3	7.1

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
28-Aug-05	16	9:00	1	7.4	5.5	7.3	7.4
28-Aug-05	16	9:00	4	7.6	5.6	7.4	6.8
28-Aug-05	16	15:30	4	8.1	7.0	7.3	6.9
28-Aug-05	16	15:30	7	8.0	6.7	6.7	5.6
29-Aug-05	17	8:00	4	7.5	6.7	6.7	6.2
29-Aug-05	17	8:00	6	7.4	7.6	8.0	7.1
29-Aug-05	17	15:20	4	7.6	5.3	7.0	5.7
29-Aug-05	17	15:20	8	7.8	6.0	6.5	4.8
30-Aug-05	18	8:00	4	8.2	6.1	8.0	7.3
30-Aug-05	18	8:00	5	7.7	4.4	7.7	6.7
30-Aug-05	18	15:00	2	8.7	7.4	7.7	7.6
30-Aug-05	18	15:00	4	8.4	6.1	7.7	7.7
31-Aug-05	19	9:15	4	8.0	6.9	7.8	6.6
31-Aug-05	19	9:15	7	7.8	7.4	7.6	7.3
31-Aug-05	19	15:00	3	7.5	7.1	7.1	6.1
31-Aug-05	19	15:00	4	7.7	6.2	6.7	5.4
1-Sep-05	20	7:00	1	7.2	6.9	7.4	6.9
1-Sep-05	20	7:00	4	7.6	7.2	6.1	6.0
1-Sep-05	20	15:00	1	8.4	9.7	6.2	7.8
1-Sep-05	20	15:00	4	8.4	6.9	6.7	7.6
2-Sep-05	21	7:45	1	8.1	6.0	7.4	7.4
2-Sep-05	21	7:45	2	7.8	3.7	7.0	6.9
2-Sep-05	21	7:45	3	7.8	5.4	7.4	7.3
2-Sep-05	21	7:45	4	8.0	7.3	7.2	6.9
2-Sep-05	21	7:45	5	7.8	6.6	7.6	7.0
2-Sep-05	21	7:45	6	8.1	7.4	7.0	7.4
2-Sep-05	21	7:45	7	7.7	7.0	7.2	7.6
2-Sep-05	21	7:45	8	7.9	7.4	7.6	6.2
			Average	**7.5**	**6.0**	**7.0**	**6.4**
			Minimum	6.6	2.1	3.0	2.8
			Maximum	8.7	9.7	8.3	8.0

Appendix Table 7. Water Chemistry Parameters for *H. azteca* Exposed to Sediments from Ashland Harbor, 12 August 2005 to 2 September 2005.
pH

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
12-Aug-05	0	6:35	1	8.12	7.54	7.93	7.91
12-Aug-05	0	6:35	4	8.11	7.85	7.90	7.88
12-Aug-05	0	6:35	5	8.12	7.45	7.88	7.88
12-Aug-05	0	6:35	8	8.16	7.35	7.97	7.20
15-Aug-05	3	8:00	4	8.10	7.67	8.03	7.99
15-Aug-05	3	8:00	7	8.13	8.10	7.97	7.97
18-Aug-05	6	7:20	4	8.10	7.50	8.06	7.96
18-Aug-05	6	7:20	5	8.19	7.46	8.11	7.97
20-Aug-05	8	8:30	4	8.17	8.03	8.04	7.87
20-Aug-05	8	8:30	6	8.16	7.83	8.04	7.86
22-Aug-05	10	8:00	4	8.06	7.90	8.02	8.01
22-Aug-05	10	8:00	5	8.08	7.60	8.12	8.01
25-Aug-05	13	8:15	4	8.01	7.96	8.00	7.96
25-Aug-05	13	8:15	6	8.03	7.81	8.04	8.00
27-Aug-05	15	9:15	4	8.20	7.73	8.07	7.64
27-Aug-05	15	9:15	7	*	7.99	8.02	7.73
29-Aug-05	17	8:00	4	8.31	7.32	8.12	7.96
29-Aug-05	17	8:00	6	8.22	7.16	8.00	7.81
1-Sep-05	20	7:00	1	8.06	8.00	8.27	7.91
1-Sep-05	20	7:00	4	8.12	7.97	8.19	7.97
2-Sep-05	21	7:45	1	8.27	7.73	8.06	8.09
2-Sep-05	21	7:45	4	8.24	7.98	7.97	7.95
2-Sep-05	21	7:45	5	8.27	7.95	8.08	8.10
2-Sep-05	21	7:45	8	8.24	7.96	8.10	8.03
			Average	**8.15**	**7.74**	**8.04**	**7.90**
			Minimum	8.01	7.16	7.88	7.20
			Maximum	8.31	8.10	8.27	8.10

* Data point not recorded

Appendix Table 7. Water Chemistry Parameters for *H. azteca* Exposed to Sediments from Ashland Harbor, 12 August 2005 to 2 September 2005. Conductivity (µmhos/cm)

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
12-Aug-05	0	6:35	1	122	144	125	129
12-Aug-05	0	6:35	8	122	157	125	140
18-Aug-05	6	7:20	4	113	126	119	115
18-Aug-05	6	7:20	5	114	128	118	116
25-Aug-05	13	8:15	4	111	132	115	116
25-Aug-05	13	8:15	6	113	126	117	112
1-Sep-05	20	7:00	1	117	117	112	117
1-Sep-05	20	7:00	4	114	117	113	117
2-Sep-05	21	7:45	1	128	131	132	130
2-Sep-05	21	7:45	8	128	133	129	130
			Average	**118**	**131**	**120**	**122**
			Minimum	111	117	112	112
			Maximum	128	157	132	140

Appendix Table 7. Water Chemistry Parameters for *H. azteca* Exposed to Sediments from Ashland Harbor, 12 Aug nmonia (ppm)

Date	Day	Rep	Silica Sand	SQT10	SQT12	SQT5
12-Aug-05	0	1	0.077	0.884	0.486	<0.063
12-Aug-05	0	8	0.073	2.608	0.399	<0.063
13-Aug-05	1	1	0.102	1.804	0.691	<0.063
13-Aug-05	1	8	0.102	1.041	0.726	<0.063
14-Aug-05	2	1	1.95	1.343	0.801	<0.063
14-Aug-05	2	8	0.125	0.126	0.726	0.141
15-Aug-05	3	1	0.147	2.534	0.686	<0.063
15-Aug-05	3	8	0.158	1.531	0.694	<0.063
16-Aug-05	4	1	0.217	3.432	0.677	0.102
16-Aug-05	4	8	0.223	2.831	0.967	0.135
17-Aug-05	5	1	0.376	1.837	0.731	0.103
17-Aug-05	5	8	0.318	1.632	0.752	0.101
18-Aug-05	6	1	0.261	1.786	0.764	0.127
18-Aug-05	6	8	0.260	1.346	0.780	0.104
19-Aug-05	7	1	0.234	1.868	0.681	0.071
19-Aug-05	7	8	0.215	1.461	0.668	0.064
20-Aug-05	8	1	0.200	1.594	0.781	0.069
20-Aug-05	8	8	0.205	1.327	0.617	<0.063
21-Aug-05	9	1	0.174	1.311	0.578	<0.063
21-Aug-05	9	8	0.171	1.039	0.612	<0.063
22-Aug-05	10	1	0.166	1.295	0.491	0.085
22-Aug-05	10	8	0.169	1.022	0.513	<0.063
23-Aug-05	11	1	0.203	0.841	0.515	<0.063
23-Aug-05	11	8	0.222	0.958	0.503	0.068
24-Aug-05	12	1	0.188	0.912	0.535	0.076
24-Aug-05	12	8	0.208	0.868	0.59	0.088
25-Aug-05	13	1	0.169	0.696	0.321	0.126
25-Aug-05	13	8	0.184	0.866	0.265	<0.063
26-Aug-05	14	1	0.118	0.539	0.169	<0.063
26-Aug-05	14	8	0.127	0.621	0.278	0.068
29-Aug-05	17	1	0.091	0.38	0.078	<0.063
29-Aug-05	17	8	0.088	0.305	0.105	<0.063
31-Aug-05	19	1	0.121	0.242	<0.063	<0.063
31-Aug-05	19	8	0.099	0.236	0.103	<0.063
2-Sep-05	21	1	<0.063	0.235	<0.063	<0.063
2-Sep-05	21	8	<0.063	0.139	<0.063	<0.063
		Average	**0.217**	**1.21**	**0.511**	**<0.063**
		Minimum	<0.063	0.126	<0.063	<0.063
		Maximum	1.95	3.432	0.967	0.141

Appendix Table 7. Water Chemistry Parameters for *H. azteca* Exposed to Sediments from Ashland Harbor, 12 August 2005 to 2 September 2005. *Hardness (mg/L as CaCO3)*

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
12-Aug-05	0	6:35	3	47.2	51.2	48	53.2
12-Aug-05	0	6:35	7	No sample	53.2	50.4	59.2
2-Sep-05	28	7:45	3	49.6	51.6	46.4	48
2-Sep-05	28	7:45	7	46.4	49.6	48.4	47.6
			Average	**47.7**	**51.4**	**48.3**	**52.0**
			Minimum	46.4	49.6	46.4	47.6
			Maximum	49.6	53.2	50.4	59.2

Appendix Table 7. Water Chemistry Parameters for *H. azteca* Exposed to Sediments from Ashland Harbor, 12 August 2005 to 2 September 2005. Alkalinity (mg/L as CaCO3)

Date	Day	Time	Rep	Silica Sand	SQT10	SQT12	SQT5
12-Aug-05	0	6:35	2	54	63.2	62.4	60
12-Aug-05	0	6:35	6	42	58.4	68.4	58
2-Sep-05	28	7:45	2	53.2	58	52.8	56.8
2-Sep-05	28	7:45	6	54.4	54.8	53.2	54
			Average	**50.9**	**58.6**	**59.2**	**57.2**
			Minimum	42.0	54.8	52.8	54.0
			Maximum	54.4	63.2	68.4	60.0

APPENDIX 8

Survival and Growth of *H. azteca* following 28-d of Exposure to Ashland Harbor Sediments, 7 October 2005 to 11 November 2005

Appendix Table 8. Survival and Growth of *H.azteca* following 28-d of Exposure to Ashland Harbor Sediments, 7 October 2005 to 4 November 2005.

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Number Weighed	Total Dry Wt (mg)	Individual Dry Wt (mg)	Average Dry Wt (mg)	Standard Deviation
A	Silica Sand	1	9			9	4.3	0.48		
A	Silica Sand	2	10			10	4.1	0.41		
A	Silica Sand	3	10			10	4.9	0.49		
A	Silica Sand	4	9			9	3.3	0.37		
A	Silica Sand	5	8			8	4.3	0.54		
A	Silica Sand	6	8			8	5.3	0.66		
A	Silica Sand	7	8			7	3.3	0.47		
A	Silica Sand	8	8	87.5	8.9	8	3.6	0.45	0.48	0.09
B	Form. Sediment	1	2			2	1.4	0.70		
B	Form. Sediment	2	0			0				
B	Form. Sediment	3	2			2	1.9	0.95		
B	Form. Sediment	4	1			1	0.9	0.90		
B	Form. Sediment	5	2			2	1.4	0.70		
B	Form. Sediment	6	2			2	2.2	1.10		
B	Form. Sediment	7	4			4	3.2	0.80		
B	Form. Sediment	8	3	20.0	12.0	3	2.4	0.80	0.85	0.14
C	W. Bearskin	1	9			8	1.7	0.21		
C	W. Bearskin	2	6			6	1.9	0.32		
C	W. Bearskin	3	10			10	1.9	0.19		
C	W. Bearskin	4	10			10	1.9	0.19		
C	W. Bearskin	5	7			7	2	0.29		
C	W. Bearskin	6	9			9	2.2	0.24		
C	W. Bearskin	7	10			9	2.2	0.24		
C	W. Bearskin	8	10	88.8	15.5	10	2.4	0.24	0.24	0.04
D	SQT9	1	9			9	2	0.22		
D	SQT9	2	5			5	1.9	0.38		
D	SQT9	3	5			5	1.7	0.34		
D	SQT9	4	8			8	2.4	0.30		
D	SQT9	5	5			5	2.7	0.54		
D	SQT9	6	5			5	2.3	0.46		
D	SQT9	7	8			8	2.8	0.35		
D	SQT9	8	7	65.0	16.9	7	2.3	0.33	0.37	0.10
E	SQT13	1	6			6	1.9	0.32		
E	SQT13	2	5			5	1.9	0.38		
E	SQT13	3	5			5	2.1	0.42		
E	SQT13	4	2			2	0.8	0.40		
E	SQT13	5	0			0				
E	SQT13	6	6			6	2.8	0.47		
E	SQT13	7	4			4	1.8	0.45		
E	SQT13	8	2	37.5	21.9	2	1.2	0.60	0.43	0.09
F	SQT11	1	8			8	2.3	0.29		
F	SQT11	2	8			8	2.2	0.28		
F	SQT11	3	9			9	1.7	0.19		
F	SQT11	4	10			10	1.8	0.18		
F	SQT11	5	9			9	2.3	0.26		
F	SQT11	6	8			8	2.7	0.34		
F	SQT11	7	8			8	2.3	0.29		
F	SQT11	8	8	85.0	7.6	8	1.9	0.24	0.26	0.05
G	SQT14	1	8			8	2.2	0.28		
G	SQT14	2	5			5	2	0.40		
G	SQT14	3	10			10	2.9	0.29		
G	SQT14	4	3			3	1.7	0.57		
G	SQT14	5	2			2	0.8	0.40		
G	SQT14	6	4			4	1.2	0.30		
G	SQT14	7	6			6	2.1	0.35		
G	SQT14	8	4	52.5	26.6	4	0.7	0.18	0.34	0.12

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Number Weighed	Total Dry Wt (mg)	Individual Dry Wt (mg)	Average Dry Wt (mg)	Standard Deviation
H	SQT6	1	8			8	1.5	0.19		
H	SQT6	2	9			9	1.9	0.21		
H	SQT6	3	10			10	2	0.20		
H	SQT6	4	9			9	1.9	0.21		
H	SQT6	5	9			9	2.7	0.30		
H	SQT6	6	10			10	2.4	0.24		
H	SQT6	7	7			7	2.3	0.33		
H	SQT6	8	10	90.0	10.7	8	1.8	0.23	0.24	0.05
I	SQT2	1	7			7	3.4	0.49		
I	SQT2	2	9			9	2.1	0.23		
I	SQT2	3	7			8	2.5	0.31		
I	SQT2	4	10			9	2.9	0.32		
I	SQT2	5	9			9	2.1	0.23		
I	SQT2	6	8			8	3.1	0.39		
I	SQT2	7	10			10	2.1	0.21		
I	SQT2	8	7	83.8	13.0	7	1.8	0.26	0.31	0.09
J	SQT7	1	2			2	1.2	0.60		
J	SQT7	2	2			2	0.9	0.45		
J	SQT7	3	0			0				
J	SQT7	4	0			0				
J	SQT7	5	4			4	1	0.25		
J	SQT7	6	2			2	1.1	0.55		
J	SQT7	7	0			0				
J	SQT7	8	4	17.5	16.7	4	0.8	0.20	0.41	0.18
K	SQT4	1	10			10	2.1	0.21		
K	SQT4	2	8			8	2.2	0.28		
K	SQT4	3	6			6	1.3	0.22		
K	SQT4	4	10			10	2.6	0.26		
K	SQT4	5	9			9	2.2	0.24		
K	SQT4	6	9			9	2.7	0.30		
K	SQT4	7	10			10	2.4	0.24		
K	SQT4	8	10	90.0	14.1	10	3.1	0.31	0.26	0.04
L	SQT3	1	8			8	2.3	0.29		
L	SQT3	2	8			8	2.3	0.29		
L	SQT3	3	9			9	2.2	0.24		
L	SQT3	4	9			10	2.6	0.26		
L	SQT3	5	9			9	2.4	0.27		
L	SQT3	6	10			10	2.3	0.23		
L	SQT3	7	10			10	2.5	0.25		
L	SQT3	8	7	87.5	10.4	6	1.8	0.30	0.27	0.02
M	SQT5	1	8			8	1.5	0.19		
M	SQT5	2	8			8	2.3	0.29		
M	SQT5	3	7			7	1.8	0.26		
M	SQT5	4	9			9	2.3	0.26		
M	SQT5	5	8			8	1.9	0.24		
M	SQT5	6	9			8	2.2	0.28		
M	SQT5	7	10			10	2.4	0.24		
M	SQT5	8	6	81.3	12.5	6	2.1	0.35	0.26	0.05
N	SQT 1	1	0			0				
N	SQT 1	2	0			0				
N	SQT 1	3	0			0				
N	SQT 1	4	0			0				
N	SQT 1	5	0			0				
N	SQT 1	6	0			0				
N	SQT 1	7	0			0				
N	SQT 1	8	0	0.0	0.0	0				

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Number Weighed	Total Dry Wt (mg)	Individual Dry Wt (mg)	Average Dry Wt (mg)	Standard Deviation
O	SQT8	1	8			8	1.9	0.24		
O	SQT8	2	10			10	2.9	0.29		
O	SQT8	3	9			9	2.3	0.26		
O	SQT8	4	8			8	2.1	0.26		
O	SQT8	5	9			9	3.1	0.34		
O	SQT8	6	7			7	1.7	0.24		
O	SQT8	7	8			8	1.8	0.23		
O	SQT8	8	9	85.0	9.3	9	2.2	0.24	0.26	0.04

APPENDIX 9

Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 11 November 2005

Appendix Table 9. Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 4 November 2005
Temperature (° C)

Date	Day	Time	Rep	Silica Sand	Form Sediment W	Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
7-Oct-05	0	7:00	1	23.0	23.0	23.1	22.8	22.8	22.8	23.1	22.8	22.7	22.9	22.9	22.9	22.4	22.9	22.4
7-Oct-05	0	7:00	2	23.1	23.2	23.1	22.8	22.8	22.7	23.0	23.0	22.9	23.0	22.8	23.0	22.7	23.0	22.7
7-Oct-05	0	7:00	3	23.1	23.0	23.2	23.0	22.9	22.9	22.9	23.1	22.7	22.8	22.8	22.9	22.5	23.0	22.5
7-Oct-05	0	7:00	4	23.1	23.1	23.1	23.1	22.9	22.9	22.9	23.2	22.9	22.8	22.9	22.9	22.6	23.1	22.7
7-Oct-05	0	7:00	5	23.0	23.1	23.0	22.9	22.9	22.9	22.9	22.9	22.8	22.8	23.0	22.9	22.5	22.8	22.9
7-Oct-05	0	7:00	6	23.0	23.1	23.0	23.0	23.0	22.9	22.9	22.8	22.8	22.8	23.1	22.9	22.6	22.8	22.9
7-Oct-05	0	7:00	7	23.1	23.1	23.0	22.8	22.9	22.8	23.0	22.8	22.7	22.8	22.9	22.8	22.6	23.0	22.6
7-Oct-05	0	7:00	8	23.0	23.1	23.0	23.0	22.9	22.8	22.8	22.7	22.6	22.8	23.0	22.9	22.6	22.8	22.7
7-Oct-05	0	15:30	1	23.2	23.3	23.3	23.2	23.2	23.1	23.3	23.4	23.2	23.3	23.3	23.2	23.0	23.2	23.0
7-Oct-05	0	15:30	4	23.2	23.3	23.4	23.3	23.3	23.2	23.2	23.4	23.3	23.3	23.2	23.3	23.2	23.3	23.1
8-Oct-05	1	9:30	4	22.0	22.5	22.2	22.4	22.0	21.9	21.9	22.4	22.4	22.3	22.0	22.1	22.2	22.3	22.4
8-Oct-05	1	9:30	6	22.0	22.4	22.2	22.4	22.1	21.9	21.9	22.4	22.4	22.3	22.0	22.5	22.4	22.0	22.4
8-Oct-05	1	16:15	4	22.2	22.4	22.3	22.6	22.2	22.2	22.1	22.6	22.6	22.4	22.4	22.5	22.3	22.1	22.6
8-Oct-05	1	16:15	8	22.3	22.4	22.4	22.6	22.3	22.0	21.8	22.6	22.6	22.4	22.3	22.5	22.1	22.1	22.5
9-Oct-05	2	9:30	4	22.3	22.4	22.5	22.4	22.4	22.3	22.1	22.4	22.4	22.4	22.3	22.5	22.3	22.3	22.4
9-Oct-05	2	9:30	5	22.4	22.3	22.4	22.3	22.4	22.2	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.4
9-Oct-05	2	17:30	2	22.2	22.4	22.6	22.5	22.6	22.3	22.2	22.1	22.2	22.5	22.1	22.3	22.0	22.6	22.4
9-Oct-05	2	17:30	4	22.3	22.6	22.6	22.4	22.4	22.1	22.3	22.4	22.4	22.6	22.3	22.4	22.4	22.4	22.4
10-Oct-05	3	9:00	4	22.0	22.2	22.4	22.4	22.0	21.8	22.0	22.2	22.2	22.1	21.8	22.0	22.0	22.2	22.2
10-Oct-05	3	9:00	7	22.0	22.5	22.6	22.1	21.8	22.0	21.9	22.1	22.1	22.0	21.9	22.0	22.0	22.1	22.1
10-Oct-05	3	15:30	3	22.3	23.4	22.6	22.5	22.2	22.2	22.2	22.6	22.5	22.6	22.3	22.4	22.4	22.5	22.4
10-Oct-05	3	15:30	4	22.3	22.5	22.6	22.5	22.2	22.2	22.2	22.6	22.6	22.6	22.3	22.6	22.1	22.5	22.5
11-Oct-05	4	8:40	1	22.3	22.4	22.6	22.4	22.0	22.1	22.1	22.4	22.5	22.4	22.2	22.6	22.3	22.4	22.4
11-Oct-05	4	8:40	4	22.3	22.5	22.5	22.6	22.1	22.0	22.2	22.4	22.5	22.5	22.1	22.5	22.4	22.4	22.4
11-Oct-05	4	15:00	3	22.7	22.7	22.8	22.7	22.6	22.6	22.7	22.8	22.5	22.5	22.6	22.7	22.4	22.7	22.4
11-Oct-05	4	15:00	4	22.8	22.7	22.8	22.7	22.6	22.6	22.7	22.8	22.6	22.5	22.7	22.7	22.7	22.7	22.6
12-Oct-05	5	9:30	4	22.7	22.6	22.7	22.7	22.6	22.5	22.6	22.7	22.6	22.6	22.6	22.6	22.5	22.6	22.6
12-Oct-05	5	9:30	6	22.8	22.7	22.7	22.7	22.7	22.5	22.7	22.6	22.6	22.5	22.6	22.5	22.4	22.6	22.6
12-Oct-05	5	15:45	4	22.8	22.7	22.8	22.8	22.7	22.7	22.7	22.8	22.7	22.6	22.6	22.7	22.6	22.7	22.5
12-Oct-05	5	15:45	8	22.8	22.8	22.8	22.7	22.7	22.6	22.6	22.8	22.7	22.6	22.7	22.7	22.5	22.7	22.6
13-Oct-05	6	8:40	4	22.7	22.6	22.7	22.6	22.5	22.5	22.6	22.8	22.8	22.6	22.7	22.6	22.7	22.7	22.5
13-Oct-05	6	8:40	5	22.7	22.7	22.7	22.6	22.5	22.5	22.5	22.8	22.7	22.6	22.7	22.6	22.4	22.7	22.2
13-Oct-05	6	15:20	2	22.9	22.9	22.9	22.8	22.8	22.8	22.9	22.9	23.0	22.9	22.9	22.9	22.8	22.9	22.9
13-Oct-05	6	15:20	4	22.9	22.9	22.8	22.9	22.9	22.8	22.9	22.9	23.0	22.9	22.8	22.9	22.8	22.9	22.9
14-Oct-05	7	8:15	4	22.6	22.5	22.8	22.6	22.6	22.5	22.6	22.8	22.8	22.7	22.6	22.8	22.6	22.6	22.6
14-Oct-05	7	8:15	7	22.7	22.7	22.8	22.7	22.6	22.6	22.6	22.8	22.8	22.8	22.7	22.8	22.6	22.6	22.6
14-Oct-05	7	15:15	3	22.9	22.8	22.9	22.9	22.8	22.7	22.8	22.8	22.8	22.6	22.8	23.0	22.7	22.8	22.8
14-Oct-05	7	15:15	4	23.0	22.8	22.9	22.9	22.8	22.8	22.8	22.9	22.8	22.7	22.8	22.9	22.8	22.9	22.9
15-Oct-05	8	8:15	4	22.4	22.6	22.7	22.5	22.4	22.4	22.4	22.6	22.5	22.5	22.4	22.6	22.4	22.4	22.4
15-Oct-05	8	8:15	6	22.8	22.6	22.6	22.5	22.4	22.2	22.4	22.6	22.5	22.5	22.5	22.6	22.3	22.0	22.4
15-Oct-05	8	15:30	4	22.7	22.6	22.6	22.7	22.5	22.5	22.6	22.6	22.7	22.6	22.4	22.5	22.5	22.6	22.7
15-Oct-05	8	15:30	8	22.7	22.6	22.7	22.7	22.5	22.4	22.5	22.7	22.6	22.6	22.5	22.6	22.6	22.7	22.8
16-Oct-05	9	9:30	4	22.5	22.5	22.5	22.6	22.3	22.3	22.3	22.5	22.5	22.4	22.3	22.4	22.4	22.6	22.5
16-Oct-05	9	9:30	7	22.6	22.6	22.5	22.5	22.5	22.3	22.4	22.5	22.5	22.4	22.4	22.5	22.4	22.6	22.4
16-Oct-05	9	17:30	1	22.9	22.5	22.5	22.6	22.9	22.8	22.8	22.5	22.5	22.7	22.7	22.6	22.5	22.6	22.6
16-Oct-05	9	17:30	4	22.9	22.5	22.6	22.4	22.8	22.8	22.7	22.6	22.6	22.7	23.0	22.6	22.6	22.7	22.6
17-Oct-05	10	8:00	4	22.9	22.4	22.6	22.6	22.8	22.4	22.9	22.6	22.6	22.4	22.9	22.6	22.4	22.7	22.5
17-Oct-05	10	8:00	5	22.9	22.6	22.7	22.5	22.8	22.6	23.0	22.4	22.5	22.3	22.8	22.5	22.4	22.5	22.5
17-Oct-05	10	15:50	2	22.5	22.6	22.6	22.5	22.6	22.7	22.6	22.7	22.6	22.5	22.6	22.6	22.5	22.7	22.3
17-Oct-05	10	15:50	4	22.5	22.6	22.6	22.6	22.6	22.5	22.7	22.6	22.5	22.4	22.6	22.6	22.5	22.7	22.3
18-Oct-05	11	8:30	4	22.6	22.4	22.7	22.6	22.5	22.3	22.3	22.2	22.5	22.5	22.5	22.5	22.3	22.6	22.1
18-Oct-05	11	8:30	7	22.5	22.4	22.6	22.4	22.5	22.3	22.5	22.3	22.3	22.5	22.5	22.5	22.0	22.4	22.6
18-Oct-05	11	15:20	3	22.7	22.8	22.7	22.7	22.7	22.4	22.6	22.8	22.6	22.6	22.7	22.6	22.5	22.5	22.5
18-Oct-05	11	15:20	4	22.7	22.7	22.7	22.7	22.5	22.6	22.7	22.7	22.7	22.6	22.7	22.7	22.5	22.6	22.5
19-Oct-05	12	8:15	1	22.6	22.4	22.5	22.3	22.3	22.2	22.3	22.4	22.3	22.4	22.2	22.4	22.4	22.4	22.3
19-Oct-05	12	8:15	4	22.6	22.3	22.6	22.4	22.3	22.3	22.3	22.4	22.5	22.4	22.3	22.5	22.3	22.4	22.5
19-Oct-05	12	15:20	4	22.7	22.6	22.6	22.7	22.6	22.6	22.6	22.7	22.7	22.4	22.6	22.6	22.5	22.7	22.3
19-Oct-05	12	15:20	5	22.7	22.6	22.6	22.6	22.6	22.5	22.6	22.6	22.6	22.4	22.7	22.5	22.3	22.5	22.5
20-Oct-05	13	8:15	4	22.6	22.4	22.5	22.4	22.2	22.3	22.3	22.3	22.3	22.3	22.2	22.3	22.2	22.3	22.3
20-Oct-05	13	8:15	6	22.6	22.3	22.5	22.4	22.2	22.2	22.4	22.4	22.3	22.3	22.2	22.3	22.4	22.2	22.3
20-Oct-05	13	15:25	4	22.8	22.7	22.7	22.7	22.6	22.6	22.6	22.7	22.6	22.5	22.5	22.6	22.5	22.6	22.4
20-Oct-05	13	15:25	8	22.8	22.7	22.6	22.8	22.6	22.6	22.6	22.7	22.5	22.5	22.6	22.6	22.3	22.6	22.4
21-Oct-05	14	8:15	4	22.5	22.4	22.5	22.4	22.4	22.2	22.4	22.3	22.4	22.4	22.5	22.4	22.2	22.2	22.3
21-Oct-05	14	8:15	5	22.6	22.4	22.6	22.4	22.4	22.2	22.4	22.3	22.4	22.4	22.5	22.4	22.2	22.3	22.3
21-Oct-05	14	15:15	2	22.7	22.5	22.5	22.4	22.4	22.4	22.4	22.4	22.3	22.2	22.4	22.5	22.2	22.3	22.3
21-Oct-05	14	15:15	4	22.6	22.5	22.6	22.4	22.4	22.4	22.4	22.4	22.3	22.2	22.4	22.4	22.2	22.2	22.3
22-Oct-05	15	9:00	4	22.3	22.2	22.3	22.2	22.1	22.0	22.1	22.2	22.1	22.0	22.1	22.4	22.1	22.6	21.9
22-Oct-05	15	9:00	7	22.3	22.1	22.4	22.1	22.2	22.1	22.1	22.2	22.1	22.1	22.2	22.1	21.9	21.9	22.1
22-Oct-05	15	18:00	3	22.3	22.2	22.4	22.3	22.2	22.2	22.3	22.3	22.2	22.0	22.3	22.1	21.8	22.1	21.9
22-Oct-05	15	18:00	4	22.4	22.2	22.4	22.2	22.2	22.3	22.4	22.3	22.3	22.1	22.3	21.9	22.0	22.1	22.0
23-Oct-05	16	9:00	1	22.2	22.2	22.4	22.1	22.1	21.9	21.9	22.1	22.1	22.2	22.0	22.2	22.1	22.1	22.0
23-Oct-05	16	9:00	4	22.1	22.3	22.5	22.2	22.1	21.9	22.0	22.1	22.3	22.1	22.1	22.2	22.1	22.2	22.1

Date	Day	Time	Rep	Silica Sand	Form Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
24-Oct-05	17	8:15	4	22.3	22.1	22.4	22.3	22.0	22.1	22.1	22.2	22.1	22.1	21.9	21.9	22.0	21.7	22.0
24-Oct-05	17	8:15	6	22.2	22.1	22.2	22.3	22.0	21.9	22.0	22.2	22.2	22.1	21.9	22.1	22.0	21.9	22.0
24-Oct-05	17	16:25	4	22.7	22.7	22.9	22.8	22.5	22.5	22.5	22.7	22.9	22.6	22.5	22.8	22.6	22.8	22.6
24-Oct-05	17	16:25	8	22.7	22.7	22.9	22.7	22.5	22.6	22.5	22.7	22.7	22.7	22.7	22.8	22.6	22.8	22.6
25-Oct-05	18	6:00	4	22.4	22.5	22.7	22.7	22.4	22.4	22.4	22.5	22.7	22.7	22.3	22.6	22.4	22.4	22.4
25-Oct-05	18	6:00	5	22.6	22.5	22.6	22.7	22.5	22.4	22.3	22.5	22.7	22.6	22.4	22.6	22.3	22.4	22.5
25-Oct-05	18	15:00	2	22.4	22.5	22.5	22.4	22.5	22.5	22.3	22.4	22.5	22.5	22.5	22.4	22.5	22.4	22.4
25-Oct-05	18	15:00	4	22.5	22.6	22.5	22.5	22.4	22.5	22.5	22.5	22.5	22.5	22.4	22.5	22.3	22.5	22.4
26-Oct-05	19	8:00	4	22.4	22.3	22.4	22.2	22.0	22.0	22.2	22.4	22.3	22.2	22.2	22.3	22.3	22.1	22.2
26-Oct-05	19	8:00	7	22.4	22.3	22.5	22.3	22.1	22.0	22.2	22.5	22.3	22.3	22.3	22.4	22.3	22.2	22.3
26-Oct-05	19	15:30	3	22.4	22.4	22.5	23.5	22.3	22.3	22.3	22.4	22.5	22.5	22.5	22.5	22.4	22.7	22.4
26-Oct-05	19	15:30	4	22.5	22.6	22.6	22.6	22.4	22.3	22.3	22.6	22.7	22.4	22.5	22.6	22.5	22.7	22.6
27-Oct-05	20	8:00	1	22.3	22.4	22.5	22.5	22.3	22.3	22.3	22.4	22.3	22.1	22.3	22.3	22.2	22.3	22.4
27-Oct-05	20	8:00	4	22.4	22.5	22.5	22.4	22.4	22.2	22.1	22.4	22.4	22.2	22.1	22.4	22.3	22.2	22.2
27-Oct-05	20	15:00	2	22.4	22.4	22.5	22.6	22.5	22.2	22.4	22.5	22.5	22.4	22.4	22.3	22.4	22.5	22.4
27-Oct-05	20	15:00	4	22.5	22.4	22.6	22.6	22.4	22.2	22.5	22.6	22.5	22.2	22.3	22.5	22.5	22.8	22.4
28-Oct-05	21	8:00	4	22.4	22.6	22.5	22.4	22.4	22.4	22.1	22.4	22.4	22.0	22.2	22.3	22.3	22.4	22.4
28-Oct-05	21	8:00	6	22.5	22.4	22.5	22.4	22.3	22.4	22.0	22.4	22.3	22.4	22.2	22.1	22.2	22.3	22.3
28-Oct-05	21	14:30	4	22.4	22.4	22.4	22.5	22.4	22.3	22.3	22.1	22.4	22.2	22.1	22.4	22.2	22.2	22.2
28-Oct-05	21	14:30	8	22.4	22.3	22.4	22.5	22.3	22.1	22.2	22.6	22.3	22.3	22.2	22.2	22.2	22.4	22.1
29-Oct-05	22	8:30	4	22.9	22.9	23.0	22.9	22.6	22.7	22.6	22.8	22.9	22.7	22.7	22.8	22.6	22.8	22.7
29-Oct-05	22	8:30	5	23.0	23.0	23.0	22.9	22.8	22.7	22.6	22.8	22.7	22.8	22.5	22.6	22.6	22.6	22.8
29-Oct-05	22	17:00	2	22.5	22.6	22.6	22.6	22.4	22.3	22.1	22.5	22.5	22.4	22.4	22.6	22.4	22.5	22.3
29-Oct-05	22	17:00	4	22.6	22.6	22.6	22.5	22.4	22.3	22.2	22.6	22.6	22.4	22.4	22.5	22.4	22.5	22.5
30-Oct-05	23	7:00	4	22.3	22.4	22.4	22.4	22.3	22.2	22.3	22.5	22.5	22.3	22.3	22.5	22.4	22.4	22.5
30-Oct-05	23	7:00	7	22.3	22.4	22.4	22.5	22.3	22.1	22.3	22.4	22.5	22.3	22.2	22.5	22.5	22.4	22.6
30-Oct-05	23	18:00	3	22.5	22.4	22.7	22.5	22.4	22.2	22.5	22.6	22.5	22.4	22.5	22.5	22.4	22.5	22.5
30-Oct-05	23	18:00	4	22.5	22.6	22.6	22.5	22.5	22.4	22.5	22.6	22.6	22.5	22.4	22.5	22.4	22.6	22.6
31-Oct-05	24	7:00	1	22.4	22.4	22.5	22.5	22.3	22.1	22.2	22.5	22.5	22.3	22.3	22.2	22.4	22.3	22.3
31-Oct-05	24	7:00	4	22.4	22.4	22.6	22.6	22.3	22.2	22.3	22.6	22.5	22.4	22.2	22.3	22.4	22.4	22.5
31-Oct-05	24	15:30	4	22.4	22.4	22.4	22.3	22.2	22.3	22.2	22.6	22.6	22.5	22.2	22.4	22.5	22.4	22.6
31-Oct-05	24	15:30	6	22.4	22.4	22.4	22.2	22.3	22.3	22.1	22.7	22.6	22.6	22.3	22.6	22.4	22.5	22.6
1-Nov-05	25	8:30	4	22.2	22.2	22.4	22.2	21.8	21.7	21.9	22.1	22.2	22.0	21.5	22.0	22.0	22.0	22.3
1-Nov-05	25	8:30	6	22.1	22.3	22.3	22.2	22.0	21.7	21.9	22.2	22.1	22.0	21.8	22.2	22.0	22.0	22.3
1-Nov-05	25	16:20	4	22.5	22.4	22.5	22.5	22.4	22.2	22.3	22.4	22.6	22.3	22.2	22.3	22.3	22.3	22.2
1-Nov-05	25	16:20	8	22.5	22.5	22.6	22.5	22.3	22.2	22.1	22.6	22.4	22.3	22.3	22.4	22.4	22.3	22.3
2-Nov-05	26	8:15	4	22.3	20.1	22.2	20.0	22.0	22.0	22.0	20.0	22.1	22.0	22.0	21.9	20.0	20.0	21.7
2-Nov-05	26	8:15	5	22.3	20.1	22.3	20.1	22.1	22.1	22.1	20.0	22.0	22.2	22.0	22.0	20.0	20.0	22.0
2-Nov-05	26	15:00	2	22.6	22.5	22.7	22.3	22.6	22.4	22.3	22.5	22.3	22.4	22.4	22.6	22.6	22.4	22.5
2-Nov-05	26	15:00	4	22.6	22.3	22.7	22.4	22.6	22.4	22.5	22.5	22.5	22.4	22.5	22.6	22.6	22.4	22.5
3-Nov-05	27	8:15	4	22.3	22.8	22.3	22.7	22.2	22.1	22.1	23.0	22.3	22.3	22.1	22.0	22.7	22.5	22.0
3-Nov-05	27	8:15	7	22.2	22.8	22.2	22.7	22.2	22.0	22.1	22.9	22.3	22.3	22.1	22.2	22.5	22.6	21.3
3-Nov-05	27	15:00	3	22.4	23.1	22.6	23.1	22.4	22.3	22.2	23.2	22.4	22.4	22.2	22.4	23.0	23.0	22.5
3-Nov-05	27	15:00	4	22.5	23.1	22.6	23.1	22.4	22.3	22.3	23.2	22.6	22.4	22.3	22.6	22.9	22.9	22.5
4-Nov-05	28	7:10	1	22.1	22.4	22.0	22.4	22.1	21.8	21.8	22.6	22.0	22.1	21.9	22.0	22.6	22.7	22.2
4-Nov-05	28	7:10	2	22.3	22.7	22.6	22.6	22.0	21.9	21.8	22.7	22.0	22.2	22.0	23.1	22.6	22.7	22.2
4-Nov-05	28	7:10	3	22.1	22.7	22.0	22.4	22.0	21.9	22.8	22.7	22.0	22.0	22.0	22.1	22.7	22.7	22.1
4-Nov-05	28	7:10	4	22.1	22.7	22.2	22.6	22.0	21.9	21.9	22.7	22.1	22.1	22.0	22.0	22.6	22.8	22.1
4-Nov-05	28	7:10	5	22.2	22.5	22.1	22.6	22.0	21.9	21.9	22.7	22.0	22.1	22.0	22.0	22.6	22.6	22.2
4-Nov-05	28	7:10	6	22.2	22.6	22.0	22.6	22.0	21.9	21.9	22.8	22.0	22.1	22.0	22.1	22.6	22.6	22.1
4-Nov-05	28	7:10	7	22.2	22.5	22.1	22.6	21.9	21.8	21.9	22.8	22.1	22.2	22.0	22.1	22.6	22.6	21.9
4-Nov-05	28	7:10	8	22.1	22.5	22.1	22.7	21.9	21.8	21.9	22.8	22.0	22.2	22.0	22.1	22.6	22.6	22.0
			Average	**22.5**	**22.5**	**22.6**	**22.5**	**22.4**	**22.3**	**22.4**	**22.5**	**22.5**	**22.4**	**22.4**	**22.6**	**22.4**	**22.5**	**22.4**
			Minimum	22.0	20.1	22.0	20.0	21.8	21.7	21.8	20.0	22.0	22.0	21.5	21.9	20.0	20.0	21.3
			Maximum	23.2	23.4	23.4	23.5	23.3	23.2	23.3	23.4	23.3	23.3	23.3	23.1	23.2	23.3	23.1

Appendix Table 9. Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 4 November 2005.
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
7-Oct-05	0	7:00	1	7.1	7.0	7.0	3.3	5.9	3.2	6.1	5.3	3.6	4.7	6.0	5.7	4.4	6.6	5.0
7-Oct-05	0	7:00	2	6.9	7.0	6.9	2.5	5.0	4.9	5.1	6.9	6.3	6.6	2.8	4.2	3.1	4.6	4.8
7-Oct-05	0	7:00	3	7.2	7.0	6.8	7.2	5.8	5.1	7.0	7.1	3.6	4.9	4.5	6.0	3.5	5.4	5.1
7-Oct-05	0	7:00	4	7.1	7.3	5.6	5.2	7.5	5.4	4.6	5.0	3.4	4.6	6.2	4.7	3.1	4.0	6.5
7-Oct-05	0	7:00	5	7.1	7.1	5.7	3.3	7.1	6.9	6.6	4.7	4.6	4.0	4.6	5.9	5.8	2.6	4.6
7-Oct-05	0	7:00	6	7.4	6.6	5.0	7.1	4.7	4.1	5.6	4.4	3.9	2.7	6.4	4.7	3.4	3.9	7.2
7-Oct-05	0	7:00	7	7.2	7.1	6.6	3.2	5.4	6.3		4.7	6.0	4.9	7.1	5.1	6.0	4.0	5.9
7-Oct-05	0	7:00	8	7.2	6.8	6.6	6.8	5.1	5.5	5.2	4.8	4.9	4.4	7.1	5.5	4.0	4.6	5.4
7-Oct-05	0	15:30	1	7.5	6.9	6.8	6.7	5.3	3.5	7.8	7.7	4.0	6.2	7.9	6.5	7.0	7.1	5.4
7-Oct-05	0	15:30	4	7.5	7.1	7.4	7.0	4.1	7.2	3.8	7.8	4.7	7.4	7.8	6.5	4.7	7.1	7.1
8-Oct-05	1	9:30	4	7.6	7.6	8.4	7.5	5.4	8.0	4.6	8.2	6.7	7.1	7.7	8.4	6.3	6.9	8.0
8-Oct-05	1	9:30	6	8.0	6.7	7.0	7.6	4.8	8.2	5.3	7.8	6.4	7.1	7.5	7.3	5.2	6.6	8.0
8-Oct-05	1	16:15	4	7.1	7.5	8.3	7.7	5.2	7.2	4.0	7.4	7.0	7.4	8.1	8.2	8.1	4.8	6.7
8-Oct-05	1	16:15	8	7.3	6.9	6.2	7.6	5.3	7.1	3.9	6.6	6.9	7.5	8.1	8.1	7.3	2.4	6.8
9-Oct-05	2	9:30	4	6.9	6.8	6.9	5.7	6.1	7.0	6.3	7.1	4.8	6.3	7.6	6.9	5.9	5.4	6.9
9-Oct-05	2	9:30	5	6.7	7.4	6.3	6.6	5.9	6.9	6.9	6.4	5.6	7.0	7.4	7.0	6.1	6.2	7.6
9-Oct-05	2	17:30	2	6.3	5.6	6.6	5.9	6.6	6.7	6.6	6.4	5.9	5.3	5.0	5.7	4.9	5.9	5.9
9-Oct-05	2	17:30	4	7.2	7.2	7.1	5.9	6.4	7.0	6.1	7.4	4.0	6.6	7.1	7.3	6.3	6.2	6.8
10-Oct-05	3	9:00	4	7.6	6.8	7.0	6.9	6.0	7.0	6.1	7.2	4.7	6.7	7.0	6.2	6.3	6.1	6.6
10-Oct-05	3	9:00	7	7.7	6.3	7.1	6.3	6.2	6.3	6.0	6.6	5.6	5.2	6.1	5.6	6.6	6.7	7.0
10-Oct-05	3	15:30	3	7.0	6.4	7.0	7.4	5.6	7.1	7.0	6.9	6.0	6.9	6.8	6.7	6.6	5.4	6.2
10-Oct-05	3	15:30	4	7.1	7.0	6.9	7.1	5.0	7.0	6.9	6.8	6.4	7.3	6.7	5.8	6.8	4.8	6.8
11-Oct-05	4	8:40	1	7.7	6.5	7.3	7.4	4.6	7.3	6.5	7.3	6.1	7.9	7.3	7.7	7.0	7.3	8.3
11-Oct-05	4	8:40	4	7.9	7.8	7.9	8.0	4.3	7.8	6.2	7.8	6.7	8.2	8.0	6.4	7.1	6.5	7.6
11-Oct-05	4	15:00	3	7.4	7.1	7.4	8.0	6.2	7.9	7.9	7.3	6.9	6.9	7.4	7.0	6.6	7.4	7.0
11-Oct-05	4	15:00	4	7.1	6.6	7.7	7.8	6.9	7.8	7.6	7.3	5.8	7.8	7.7	6.9	7.3	7.1	7.8
12-Oct-05	5	9:30	4	7.2	5.8	7.8	7.8	4.1	7.7	6.4	7.6	6.1	7.9	7.4	7.2	6.2	7.7	7.9
12-Oct-05	5	9:30	6	7.4	5.7	6.8	6.2	6.1	5.8	7.5	7.8	6.4	6.9	7.4	7.3	7.3	7.1	7.9
12-Oct-05	5	15:45	4	6.7	5.4	7.3	7.8	6.5	7.5	7.3	6.0	7.2	7.9	7.5	6.2	5.5	7.4	7.2
12-Oct-05	5	15:45	8	6.8	5.8	6.8	4.6	6.9	7.3	3.4	7.4	7.3	7.0	7.0	6.3	7.4	5.8	7.4
13-Oct-05	6	8:40	4	7.5	7.0	7.9	8.4	7.4	7.8	6.5	7.3	7.8	7.6	7.2	7.0	7.2	6.5	7.9
13-Oct-05	6	8:40	5	7.6	7.5	7.8	5.2	5.7	7.4	5.7	7.6	7.6	7.0	7.1	4.2	7.5	4.1	6.5
13-Oct-05	6	15:20	2	6.4	3.4	7.2	5.4	6.6	7.4	5.6	5.9	7.2	7.3	7.4	6.8	6.8	5.6	6.5
13-Oct-05	6	15:20	4	7.2	4.7	7.6	7.5	7.4	7.1	6.9	6.3	6.6	7.0	6.4	5.3	6.9	6.5	7.2
14-Oct-05	7	8:15	4	7.9	6.8	7.5	8.6	7.5	8.1	8.3	8.3	5.7	7.2	7.6	7.2	7.1	7.8	6.6
14-Oct-05	7	8:15	7	7.3	6.3	7.1	7.4	7.1	8.4	7.2	8.0	7.2	7.3	7.5	7.4	7.7	7.3	6.9
14-Oct-05	7	15:15	3	7.0	7.3	7.2	7.7	5.7	7.4	6.9	7.0	6.1	8.0	7.3	7.0	6.6	8.0	7.3
14-Oct-05	7	15:15	4	6.8	6.9	7.6	7.7	7.1	7.5	7.4	7.5	4.0	7.6	6.9	7.4	7.2	7.4	7.7
15-Oct-05	8	8:15	4	7.3	6.5	7.3	8.0	8.3	7.6	6.8	7.4	4.9	7.1	6.8	6.8	6.3	7.8	7.6
15-Oct-05	8	8:15	6	7.4	4.3	6.2	5.2	8.3	7.7	3.4	7.5	5.7	7.3	7.0	7.0	6.5	7.8	7.7
15-Oct-05	8	15:30	4	6.6	5.9	8.3	8.1	8.5	7.8	7.7	7.4	5.1	8.0	7.2	6.6	6.9	7.7	8.0
15-Oct-05	8	15:30	8	6.6	6.2	7.0	6.9	8.2	7.6	4.7	7.1	6.1	8.1	6.5	5.5	7.1	6.0	6.8
16-Oct-05	9	9:30	4	7.6	7.4	7.9	7.6	7.5	7.9	8.4	8.6	5.1	8.5	7.5	8.8	5.8	7.6	8.7
16-Oct-05	9	9:30	7	7.4	7.7	8.1	7.4	7.2	8.1	6.1	7.8	7.2	8.3	7.8	8.9	7.1	6.7	7.8
16-Oct-05	9	17:30	1	7.1	7.2	8.6	8.8	8.6	6.1	6.4	8.5	7.1	7.7	8.2	7.1	7.5	7.2	7.2
16-Oct-05	9	17:30	4	7.2	8.6	8.3	8.6	7.6	5.9	8.4	8.4	4.9	7.9	7.0	7.3	6.1	7.6	7.4
17-Oct-05	10	8:00	4	7.0	6.1	8.3	7.1	6.5	7.6	6.3	6.7	4.5	7.4	7.2	7.2	6.3	7.1	7.6
17-Oct-05	10	8:00	5	7.1	7.1	7.5	6.2	6.5	6.6	5.7	6.9	7.1	6.7	6.8	6.1	5.1	5.5	5.4
17-Oct-05	10	15:50	2	7.4	6.6	7.2	6.8	4.5	6.9	6.7	7.2	6.7	6.4	6.8	5.2	5.3	53.9	6.1
17-Oct-05	10	15:50	4	7.3	6.6	7.3	7.7	4.4	7.2	6.1	6.8	6.7	7.1	6.4	5.5	6.8	6.5	7.5
18-Oct-05	11	8:30	4	7.4	7.3	6.8	7.8	6.9	7.3	7.3	7.0	7.7	6.3	6.3	6.3	5.9	5.9	7.2
18-Oct-05	11	8:30	7	7.0	6.9	7.2	6.1	7.3	7.7	7.9	7.9	7.4	6.8	7.0	6.2	6.9	5.5	7.2
18-Oct-05	11	15:20	3	7.6	7.5	7.0	7.7	6.9	7.3	6.6	7.5	5.0	5.7	7.2	7.4	7.0	6.8	6.8
18-Oct-05	11	15:20	4	7.4	5.7	7.8	7.7	6.8	7.3	7.2	7.9	7.8	6.4	7.0	5.9	7.0	6.1	7.5

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
19-Oct-05	12	8:15	1	7.4	7.4	7.0	8.0	8.0	6.4	6.1	8.4	5.4	7.9	8.8	7.3	8.3	6.4	7.9
19-Oct-05	12	8:15	4	7.3	7.0	7.3	8.5	8.6	7.5	6.6	8.3	7.3	7.8	8.6	7.0	7.3	7.1	8.0
19-Oct-05	12	15:20	4	8.2	6.9	8.1	7.6	7.3	7.8	7.3	7.5	6.8	6.5	7.0	6.7	7.6	7.3	7.4
19-Oct-05	12	15:20	5	8.0	8.0	7.9	6.2	6.3	5.7	7.4	6.9	6.4	7.5	7.7	5.8	7.1	5.0	7.3
20-Oct-05	13	8:15	4	7.3	6.5	7.0	6.9	7.3	7.4	6.5	7.1	7.3	7.1	8.3	7.7	7.3	8.0	7.4
20-Oct-05	13	8:15	6	7.6	5.2	7.2	6.9	8.3	6.8	6.5	8.3	4.7	7.6	7.5	8.2	7.6	6.9	7.0
20-Oct-05	13	15:25	4	7.1	7.2	7.6	7.2	6.9	6.9	6.9	7.2	7.6	5.8	7.2	6.4	7.3	6.8	7.4
20-Oct-05	13	15:25	8	6.8	7.3	7.5	5.8	6.1	7.1	6.3	6.8	6.9	7.4	7.0	7.5	7.0	7.3	7.1
21-Oct-05	14	8:15	4	7.5	7.8	8.4	8.6	7.4	8.0	6.9	6.1	8.1	6.7	6.2	6.9	6.8	8.3	7.4
21-Oct-05	14	8:15	5	7.4	7.7	8.0	7.9	7.2	7.1	7.6	5.9	8.2	7.6	6.5	6.9	7.2	7.8	7.2
21-Oct-05	14	15:15	2	7.5	7.1	7.3	7.4	6.6	7.2	4.6	6.3	8.4	5.2	7.0	6.4	7.8	7.7	6.7
21-Oct-05	14	15:15	4	7.2	7.0	7.3	7.6	6.2	7.4	5.1	6.7	7.7	5.1	7.2	6.9	8.1	8.0	7.2
22-Oct-05	15	9:00	4	7.7	7.3	7.3	7.5	6.8	6.9	6.4	7.3	8.1	5.7	7.0	6.6	7.4	7.4	7.3
22-Oct-05	15	9:00	7	7.8	7.1	7.4	7.6	6.7	7.8	5.3	7.6	6.6	7.7	8.2	6.9	7.5	6.9	7.0
22-Oct-05	15	18:00	3	7.6	7.7	7.3	7.5	7.3	7.0	6.2	7.2	7.7	6.0	8.0	7.1	8.3	7.5	7.9
22-Oct-05	15	18:00	4	7.3	7.4	7.3	7.1	7.6	7.8	5.7	7.3	7.0	4.9	5.5	7.6	7.8	7.8	8.0
23-Oct-05	16	9:00	1	7.9	7.9	7.1	7.1	6.9	6.4	7.0	7.8	6.5	6.4	7.5	7.8	7.0	6.9	7.8
23-Oct-05	16	9:00	4	7.7	7.5	7.3	7.8	7.0	7.9	7.1	8.5	7.0	6.8	6.4	7.7	7.3	7.0	8.4
24-Oct-05	17	8:00	4	7.8	8.7	7.2	7.6	6.6	7.2	6.3	7.6	8.1	6.1	7.4	7.2	7.3	8.5	8.9
24-Oct-05	17	8:00	6	8.1	7.4	7.3	5.9	6.7	5.9	6.2	7.1	6.2	7.7	7.6	7.8	7.1	6.9	8.4
24-Oct-05	17	16:25	4	7.6	7.0	7.1	6.7	6.4	7.0	6.9	7.0	6.9	4.8	7.1	6.9	7.2	6.7	7.0
24-Oct-05	17	16:25	8	7.5	8.2	6.9	6.4	6.8	7.1	5.7	6.1	5.5	7.3	7.2	7.2	7.0	6.4	7.0
25-Oct-05	18	6:00	4	7.4	7.4	7.0	6.9	6.6	7.4	6.4	7.2	7.4	5.4	6.4	7.2	7.4	6.9	4.2
25-Oct-05	18	6:00	5	7.6	7.8	7.9	7.6	7.0	6.8	6.9	6.0	7.3	6.8	7.1	6.6	6.7	7.2	7.3
25-Oct-05	18	15:00	2	7.8	6.9	7.4	7.3	6.9	6.8	6.9	6.7	7.6	6.1	7.1	6.7	7.9	8.1	6.6
25-Oct-05	18	15:00	4	8.0	7.6	7.8	7.1	6.7	7.6	6.6	7.8	7.0	6.6	6.4	7.4	7.6	7.1	5.9
26-Oct-05	19	8:00	4	8.3	8.5	7.7	8.3	7.1	7.8	6.2	7.4	8.2	7.4	7.9	8.4	7.3	8.5	9.0
26-Oct-05	19	8:00	7	8.6	8.2	7.7	7.8	7.1	7.6	6.9	6.9	8.1	6.9	8.2	8.3	6.9	7.0	8.4
26-Oct-05	19	15:30	3	8.6	8.8	8.0	7.7	7.6	7.4	8.2	8.4	6.8	6.3	7.8	7.2	7.2	7.5	6.8
26-Oct-05	19	15:30	4	8.0	7.6	8.0	7.6	6.7	7.5	7.1	7.7	7.1	6.1	7.0	6.9	7.3	7.3	6.8
27-Oct-05	20	8:00	1	8.3	8.1	7.6	7.3	8.1	7.0	7.4	7.9	6.6	6.3	7.6	7.1	7.4	7.1	7.7
27-Oct-05	20	8:00	4	8.0	7.8	7.7	7.9	6.9	7.1	7.0	7.4	6.9	5.6	7.6	6.9	7.6	7.8	8.0
27-Oct-05	20	15:00	2	8.3	8.4	7.7	7.6	7.8	7.6	7.0	7.8	6.8	6.2	7.9	7.3	7.6	7.4	8.3
27-Oct-05	20	15:00	4	8.2	8.0	8.0	8.2	7.0	7.4	7.4	7.8	7.0	6.0	7.4	7.0	7.8	7.5	8.1
28-Oct-05	21	8:00	4	8.2	8.6	7.9	8.1	7.9	7.8	7.7	8.2	8.0	7.2	7.9	7.4	7.2	7.9	7.0
28-Oct-05	21	8:00	6	8.8	6.8	7.8	6.2	7.9	7.6	5.6	8.1	7.4	7.9	7.8	7.6	7.4	6.9	6.9
28-Oct-05	21	14:30	4	9.3	8.3	8.4	7.7	7.1	8.0	8.1	7.3	8.4	7.1	7.9	8.0	7.8	7.8	6.3
28-Oct-05	21	14:30	8	8.9	9.1	8.3	7.7	7.1	7.7	7.2	8.3	6.6	8.2	8.4	8.1	7.3	7.8	7.2
29-Oct-05	22	8:30	4	8.9	8.1	8.4	8.3	7.4	7.2	7.1	7.4	7.9	7.4	7.1	6.8	7.3	7.5	7.6
29-Oct-05	22	8:30	5	8.6	6.7	8.0	7.8	7.2	5.7	7.5	8.1	7.5	7.9	7.4	7.2	6.4	6.6	7.1
29-Oct-05	22	17:00	2	8.7	7.2	7.5	7.3	6.4	7.3	6.8	7.0	7.4	7.4	7.9	7.1	7.1	8.0	8.5
29-Oct-05	22	17:00	4	8.1	7.6	7.9	8.0	6.8	7.4	8.3	7.3	7.6	6.9	7.4	7.4	7.3	8.3	8.2
30-Oct-05	23	7:00	4	8.0	7.6	8.2	7.3	7.3	7.9	7.4	8.1	7.7	7.3	8.1	7.0	7.0	8.0	7.2
30-Oct-05	23	7:00	7	8.5	6.5	7.9	7.9	7.3	7.2	7.0	7.7	7.8	7.6	8.0	7.8	8.2	5.6	6.9
30-Oct-05	23	18:00	3	8.3	8.6	7.4	8.3	7.2	7.9	6.9	7.9	6.6	9.0	8.5	7.0	8.0	7.7	8.2
30-Oct-05	23	18:00	4	8.3	7.2	7.7	7.9	6.6	8.2	7.3	8.2	8.4	7.7	8.6	7.6	7.3	8.0	8.5
31-Oct-05	24	6:00	1	8.7	8.2	7.2	7.1	7.7	7.5	6.7	7.5	6.6	8.6	7.4	8.1	7.8	8.3	8.2
31-Oct-05	24	6:00	4	8.2	7.5	7.4	7.2	6.8	7.7	6.9	6.7	7.0	7.8	7.6	7.3	7.6	8.3	8.0
31-Oct-05	24	15:30	4	8.6	6.9	8.3	8.1	7.6	7.3	7.9	7.0	6.7	6.4	7.2	7.1	7.1	7.8	6.8
31-Oct-05	24	15:30	6	8.5	8.7	8.1	8.2	7.8	4.9	7.0	7.0	6.4	6.8	6.7	7.3	6.6	5.5	6.9
1-Nov-05	25	8:30	4	7.9	7.2	7.1	7.4	7.4	7.2	6.9	7.2	7.0	6.4	8.5	7.3	6.9	8.3	7.3
1-Nov-05	25	8:30	6	8.0	6.6	7.5	7.4	6.5	6.2	6.4	7.9	6.1	6.8	7.2	7.5	6.8	6.2	6.9
1-Nov-05	25	16:20	4	7.9	6.0	7.6	7.1	6.8	6.9	7.5	7.5	7.9	7.7	6.8	6.9	7.0	7.1	7.8
1-Nov-05	25	16:20	8	8.0	8.3	7.6	7.5	7.3	7.6	7.7	8.1	6.7	8.1	7.3	6.7	6.5	6.5	7.1
2-Nov-05	26	8:15	4	8.0	4.3	8.1	8.2	6.9	7.1	7.5	8.1	7.6	6.3	7.7	8.8	8.9	8.5	8.5
2-Nov-05	26	8:15	5	7.9	6.7	8.0	7.6	4.3	7.4	7.3	7.3	7.1	7.1	8.1	7.7	7.6	7.5	8.6
2-Nov-05	26	15:00	2	7.8	7.7	7.8	6.8	7.3	7.3	5.5	6.8	7.3	8.0	6.1	7.2	7.7	7.5	5.0
2-Nov-05	26	15:00	4	7.5	4.2	7.4	7.2	7.3	7.3	7.5	6.9	7.4	6.0	7.2	7.4	7.1	7.7	6.0
3-Nov-05	27	8:15	4	7.4	6.1	7.3	7.2	6.1	6.7	7.5	7.2	7.0	7.1	6.9	7.6	7.6	8.4	8.0
3-Nov-05	27	8:15	7	7.6	5.9	7.5	7.2	6.6	6.8	6.9	6.7	6.5	7.4	6.7	7.2	7.3	5.6	7.7
3-Nov-05	27	15:00	3	8.1	7.6	7.1	7.0	6.6	7.1	5.2	7.1	5.9	7.1	6.0	7.3	6.9	7.4	6.7

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
3-Nov-05	27	15:00	4	7.9	4.9	7.2	7.5	6.1	7.0	5.8	6.6	7.3	6.3	5.7	6.8	6.7	7.9	6.9
4-Nov-05	28	7:10	1	6.6	7.1	6.5	7.8	6.8	7.2	7.6	7.1	6.6	8.1	7.1	7.1	7.0	7.3	7.6
4-Nov-05	28	7:10	2	7.8	6.4	6.7	7.5	6.4	6.5	7.8	6.8	7.0	7.0	7.0	7.5	7.6	7.5	7.3
4-Nov-05	28	7:10	3	7.7	7.1	7.9	7.8	7.2	7.1	7.5	7.0	7.4	6.8	7.2	7.8	7.8	7.7	7.4
4-Nov-05	28	7:10	4	7.4	5.3	7.4	7.1	5.6	7.4	8.0	7.5	7.8	7.1	6.9	7.7	7.2	7.0	7.7
4-Nov-05	28	7:10	5	7.5	6.6	7.1	7.8	5.1	6.7	7.1	7.5	7.6	7.3	7.0	7.7	7.2	6.0	7.5
4-Nov-05	28	7:10	6	7.4	6.8	7.2	7.0	7.2	6.0	6.8	7.0	7.1	7.4	7.4	7.8	6.9	6.3	7.2
4-Nov-05	28	7:10	7	7.5	5.6	7.6	7.5	5.8	7.6	7.5	7.4	7.8	7.7	7.9	7.8	7.2	7.2	7.3
4-Nov-05	28	7:10	8	7.3	6.0	7.4	6.8	6.1	7.1	7.8	7.7	6.5	7.7	7.5	7.6	7.3	7.0	7.1
			Average	**7.6**	**7.0**	**7.4**	**7.2**	**6.6**	**7.1**	**6.6**	**7.2**	**6.6**	**6.9**	**7.2**	**7.0**	**6.9**	**7.2**	**7.2**
			Minimum	6.3	3.4	5.0	2.5	4.1	3.2	3.4	4.4	3.4	2.7	2.8	4.2	3.1	2.4	4.2
			Maximum	9.3	9.1	8.6	8.8	8.6	8.4	8.4	8.6	8.4	9.0	8.8	8.9	8.9	53.9	9.0

Appendix Table 9. Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 4 November 2005
pH

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
7-Oct-05	0	7:00	1	8.10	7.44	7.90	7.10	7.51	7.00	7.84	7.66	6.92	7.68	7.54	7.36	7.26	7.80	7.18
7-Oct-05	0	7:00	4	8.13	7.69	7.74	7.13	7.43	7.63	6.93	7.33	7.22	7.45	7.66	7.21	6.92	7.14	7.17
7-Oct-05	0	7:00	5	8.15	7.55	7.27	6.87	7.70	7.72	7.83	7.36	7.17	7.34	7.45	7.26	7.31	7.00	7.49
7-Oct-05	0	7:00	8	8.15	7.53	7.47	7.71	7.79	7.04	7.56	7.35	7.35	7.43	7.91	7.46	7.05	7.18	7.24
10-Oct-05	3	9:00	4	8.67	7.60	8.00	8.01	7.96	7.87	8.01	8.04	7.48	7.84	7.84	7.87	7.74	7.60	7.89
10-Oct-05	3	9:00	7	8.62	7.57	8.01	8.00	8.02	7.90	7.85	8.03	7.88	7.88	7.94	7.80	7.73	7.80	7.57
13-Oct-05	6	8:40	4	8.12	7.74	8.01	8.04	7.94	7.84	7.76	7.71	7.99	8.05	7.90	7.77	7.77	7.90	7.78
13-Oct-05	6	8:40	5	8.13	8.01	8.01	7.35	7.40	7.93	7.70	7.79	7.95	7.99	8.01	7.38	7.89	7.47	7.81
15-Oct-05	8	8:15	4	8.18	7.69	8.06	8.11	8.10	7.99	7.95	8.03	7.52	8.05	7.64	7.80	7.55	7.95	7.69
15-Oct-05	8	8:15	6	8.20	7.80	7.56	7.51	8.11	7.96	7.43	8.10	7.75	8.08	7.94	8.01	7.69	7.84	8.05
17-Oct-05	10	8:00	4	8.48	7.56	8.05	8.02	7.96	7.82	7.85	8.05	7.41	8.04	7.68	7.79	7.84	7.89	7.90
17-Oct-05	10	8:00	5	8.10	8.02	8.05	7.80	7.72	7.91	7.90	8.02	7.88	7.98	7.81	7.66	7.47	7.65	7.49
20-Oct-05	13	8:15	4	8.16	7.89	8.02	8.04	7.92	7.94	7.86	7.88	7.38	7.91	7.88	7.78	7.93	8.04	7.81
20-Oct-05	13	8:15	6	8.16	7.60	8.03	7.80	7.97	7.62	7.89	8.06	8.00	7.86	7.16	7.91	7.97	7.79	7.96
22-Oct-05	15	9:00	4	8.20	8.19	8.10	7.92	7.89	7.80	7.76	8.05	7.84	7.45	7.83	7.82	8.05	8.12	7.74
22-Oct-05	15	9:00	7	8.20	7.85	8.10	7.69	7.86	7.86	7.59	8.08	7.80	8.03	7.91	7.79	8.04	7.95	7.95
24-Oct-05	17	8:00	4	8.18	8.34	8.05	7.98	7.86	7.90	7.75	7.95	8.00	7.52	7.74	7.80	7.98	8.05	7.80
24-Oct-05	17	8:00	6	8.30	7.84	8.04	7.88	7.88	7.33	7.57	8.05	7.54	7.96	7.81	7.95	7.79	7.83	7.78
27-Oct-05	20	8:00	1	8.00	7.99	7.90	7.69	7.82	7.76	7.70	7.69	7.75	7.94	7.65	7.75	7.98	7.96	7.88
27-Oct-05	20	8:00	4	8.01	8.18	7.87	7.75	7.84	7.81	7.80	7.79	7.71	7.58	7.75	7.80	7.58	8.02	7.90
29-Oct-05	22	8:30	4	8.40	8.00	8.05	7.92	7.89	7.68	7.90	7.96	7.89	7.90	7.64	7.77	7.90	7.97	7.84
29-Oct-05	22	8:30	5	8.36	7.69	8.04	7.73	7.77	7.23	7.95	8.02	7.68	8.04	7.77	7.95	7.47	7.61	7.21
31-Oct-05	24	8:00	1	8.58	8.44	8.13	8.00	7.95	7.74	7.95	8.07	7.76	8.17	8.01	7.82	8.01	8.07	8.01
31-Oct-05	24	8:00	4	8.49	8.13	8.15	8.02	7.68	7.81	8.02	8.07	7.91	8.07	7.92	7.79	7.88	8.16	8.00
4-Nov-05	28	7:10	1	8.29	7.90	8.05	8.00	8.02	7.75	7.85	8.09	7.70	8.11	7.88	7.91	8.04	8.18	7.20
4-Nov-05	28	7:10	4	8.23	7.38	8.10	8.06	7.79	7.76	8.05	8.09	7.95	7.94	7.71	7.98	8.04	8.21	7.84
4-Nov-05	28	7:10	5	8.20	7.63	8.11	8.01	7.45	7.58	8.09	8.12	7.75	8.08	7.75	8.03	7.86	7.87	7.95
4-Nov-05	28	7:10	8	8.09	7.61	8.13	8.01	7.79	7.65	8.03	8.12	7.52	8.10	7.78	8.04	7.84	7.91	7.78
			Average	**8.25**	**7.82**	**7.96**	**7.79**	**7.82**	**7.71**	**7.80**	**7.91**	**7.67**	**7.87**	**7.77**	**7.76**	**7.74**	**7.82**	**7.71**
			Minimum	8.00	7.38	7.27	6.87	7.40	7.00	6.93	7.33	6.92	7.34	7.16	7.21	6.92	7.00	7.17
			Maximum	8.67	8.44	8.15	8.11	8.11	7.99	8.09	8.12	8.00	8.17	8.01	8.04	8.05	8.21	8.05

Appendix Table 9. Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 4 November 2005.
Conductivity (µmhos/cm)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
7-Oct-05	0	7:00	1	125	133	123	137	130	120	125	128	123	126	127	126	122	122	120
7-Oct-05	0	7:00	8	123	134	133	123	124	115	127	124	123	124	125	125	121	120	120
13-Oct-05	6	8:40	4	137	157	132	142	132	134	146	142	138	139	140	142	135	141	137
13-Oct-05	6	8:40	5	139	155	140	146	133	133	150	147	137	139	139	144	139	145	139
20-Oct-05	13	8:15	4	132	153	133	133	136	129	137	135	133	133	138	137	136	137	129
20-Oct-05	13	8:15	6	132	159	133	134	137	129	140	137	136	134	136	139	136	130	129
27-Oct-05	20	8:00	1	135	159	134	128	137	125	138	138	129	134	134	136	134	135	129
27-Oct-05	20	8:00	4	134	151	136	127	137	124	138	138	130	134	134	135	133	135	130
4-Nov-05	28	7:10	1	133	149	130	133	135	124	140	138	129	133	131	138	132	136	130
4-Nov-05	28	7:10	8	138	148	130	133	137	124	135	137	126	133	131	135	132	135	130
			Average	**133**	**150**	**132**	**134**	**134**	**126**	**138**	**136**	**130**	**133**	**133**	**136**	**132**	**134**	**129**
			Minimum	123	133	123	123	124	115	125	124	123	124	125	125	121	120	120
			Maximum	139	159	140	146	137	134	150	147	138	139	140	144	139	145	139

Appendix Table 9. Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 4 November 2005.
Ammonia (ppm)

Date	Day	Time	Rep	Silica Sand	orm. Sedime	N. Bearskir	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
7-Oct-05	0	7:00	1	0.066	0.067	0.194	0.075	0.481	<0.063	0.321	0.269	<0.063	0.304	0.123	0.090	0.145	<0.063	<0.063
7-Oct-05	0	7:00	8	<0.063	0.069	0.396	0.547	0.505	<0.063	0.323	0.454	<0.063	0.458	0.089	<0.063	0.131	0.130	<0.063
4-Nov-05	28	7:10	1	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
4-Nov-05	28	7:10	8	<0.063	0.065	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
			Average	**<0.063**	**<0.063**	**0.163**	**0.165**	**0.263**	**<0.063**	**0.177**	**0.218**	**<0.063**	**0.207**	**0.069**	**<0.063**	**0.085**	**<0.063**	**<0.063**
			Minimum	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
			Maximum	0.066	0.069	0.396	0.547	0.505	<0.063	0.323	0.454	<0.063	0.458	0.123	0.090	0.145	0.130	<0.063

Appendix Table 9. Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 4 November 2005.
DOC (ppm)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
7-Oct-05	0	7:00	1	2.1	4.3	2.0	3.2	3.2	13.3	4.1	2.6	14.3	4.2	6.7	3.6	5.0	8.7	9.2
7-Oct-05	0	7:00	8	1.9	3.8	2.4	14.8	3.6	10.4	3.9	2.3	9.5	2.3	5.0	3.4	7.1	6.0	7.9
4-Nov-05	28	7:10	1	1.9	2.3	1.9	1.9	1.7	2.0	1.6	1.8	1.9	2.0	1.7	1.8	1.7	2.0	2.4
4-Nov-05	28	7:10	8	1.8	2.1	1.8	1.6	1.5	2.2	1.6	1.7	2.2		2.4	1.8	2.6	2.2	2.1
			Average	**1.9**	**3.1**	**2.0**	**5.4**	**2.5**	**7.0**	**2.8**	**2.1**	**7.0**	**2.8**	**4.0**	**2.7**	**4.1**	**4.7**	**5.4**
			Minimum	1.8	2.1	1.8	1.6	1.5	2.0	1.6	1.7	1.9	2.0	1.7	1.8	1.7	2.0	2.1
			Maximum	2.1	4.3	2.4	14.8	3.6	13.3	4.1	2.6	14.3	4.2	6.7	3.6	7.1	8.7	9.2

Appendix Table 9. Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 4 November 2005.
Hardness (mg/L as CaCO3)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
7-Oct-05	0	7:00	3	47.2	40.4	48.0	46.8	53.6	51.6	51.2	49.6		46.4	61.2	47.2			
7-Oct-05	0	7:00	7	47.2	42.0	52.8	59.6	50.0	52.0	50.8	55.2	59.6	48.8	47.6	53.6	50.4		
4-Nov-05	28	7:10	3	42.8	46.0	41.6	42.0	43.2	40.0	44.0	47.6	42.0	41.2	44.4	46.8	46.4	45.2	42.4
4-Nov-05	28	7:10	7	44.0	50.4	42.8	43.2	44.4	40.4	44.0	45.6	38.8	43.6	40.4	52.0	45.2	46.0	41.6
			Average	**45.3**	**44.7**	**46.3**	**47.9**	**47.8**	**46.0**	**47.5**	**49.5**	**46.8**	**45.0**	**48.4**	**49.9**	**47.3**	**45.6**	**42.0**
			Minimum	42.8	40.4	41.6	42.0	43.2	40.0	44.0	45.6	38.8	41.2	40.4	46.8	45.2	45.2	41.6
			Maximum	47.2	50.4	52.8	59.6	53.6	52.0	51.2	55.2	59.6	48.8	61.2	53.6	50.4	46.0	42.4

Missing data due to samples being too cloudy to be able to determine endpoint.

Appendix Table 9. Water Chemistry Parameters for *H. azteca* 28-d Test Exposed to Sediments from Ashland Harbor, 7 October 2005 to 4 November 2005.
Alkalinity (mg/L as CaCO3)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
7-Oct-05	0	7:00	2	52.4	44.4	47.6	59.6	59.2	48.8	56.4	48.0	49.2	48.8	60.8	60.4	63.6	53.2	59.6
7-Oct-05	0	7:00	6	51.6	40.0	44.0	52.8	50.8	47.2	54.8	59.6	55.2	56.4	49.2	54.8	51.2	51.6	48.8
4-Nov-05	28	7:10	2	48.4	58.0	47.2	48.0	46.4	44.0	50.4	51.2	46.0	46.8	44.8	48.4	48.8	51.6	47.6
4-Nov-05	28	7:10	6	48.4	56.8	44.8	48.4	51.6	46.0	51.6	50.8	46.8	49.6	47.6	52.0	50.8	53.2	48.4
			Average	**50.2**	**49.8**	**45.9**	**52.2**	**52.0**	**46.5**	**53.3**	**52.4**	**49.3**	**50.4**	**50.6**	**53.9**	**53.6**	**52.4**	**51.1**
			Minimum	48.4	40.0	44.0	48.0	46.4	44.0	50.4	48.0	46.0	46.8	44.8	48.4	48.8	51.6	47.6
			Maximum	52.4	58.0	47.6	59.6	59.2	48.8	56.4	59.6	55.2	56.4	60.8	60.4	63.6	53.2	59.6

APPENDIX 10

Survival and Growth of *H. azteca* following 10-d Exposure to Ashland Harbor Sediment and a Dilution Series Under laboratory Lighting
1 January 2006 to 13 January 2006

Appendix Table 10. Survival and Growth of *H. azteca* following 10-d of Exposure to Ashland Harbor Sediment and a Dilution Series Under Laboratory Light,

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Corrected % Mortality	Total Dry wt (mg)	Individual Dry wt (mg)	Average Dry wt (mg)	Standard Deviation
A	Silica Sand	1	10	100.0			1.2	0.12		
A	Silica Sand	2	10	100.0			1.3	0.13		
A	Silica Sand	3	10	100.0			1.4	0.14		
A	Silica Sand	4	10	100.0			1.2	0.12		
A	Silica Sand	5	10	100.0			1.5	0.15		
A	Silica Sand	6	10	100.0			1.8	0.18		
A	Silica Sand	7	10	100.0			1.5	0.15		
A	Silica Sand	8	10	100.0	0.0		1.7	0.17	0.15	0.02
B	W. Bearskin	1	10	100.0			0.9	0.09		
B	W. Bearskin	2	10	100.0			1.3	0.13		
B	W. Bearskin	3	10	100.0			1.1	0.11		
B	W. Bearskin	4	10	100.0			1.0	0.10		
B	W. Bearskin	5	10	100.0			1.1	0.11		
B	W. Bearskin	6	10	100.0			1.3	0.13		
B	W. Bearskin	7	10	100.0			1.2	0.12		
B	W. Bearskin	8	8	80.0	7.1		1.0	0.13	0.11	0.01
C	Dilution Sedimen	1	10	100.0			1.1	0.11		
C	Dilution Sedimen	2	12	120.0			1.2	0.10		
C	Dilution Sedimen	3	9	90.0			1.1	0.12		
C	Dilution Sedimen	4	10	100.0			0.9	0.09		
C	Dilution Sedimen	5	10	100.0			1.0	0.10		
C	Dilution Sedimen	6	10	100.0			1.3	0.13		
C	Dilution Sedimen	7	10	100.0			1.4	0.14		
C	Dilution Sedimen	8	10	100.0	8.3		1.1	0.11	0.11	0.02
D	SQT9	1	10	100.0			1.9	0.19		
D	SQT9	2	10	100.0			1.8	0.18		
D	SQT9	3	10	100.0			1.7	0.17		
D	SQT9	4	10	100.0			1.9	0.19		
D	SQT9	5	10	100.0			1.6	0.16		
D	SQT9	6	9	90.0			2.1	0.23		
D	SQT9	7	10	100.0			1.8	0.18		
D	SQT9	8	9	90.0	4.6		1.4	0.16	0.18	0.02
E	SQT11	1	10	100.0			1.1	0.11		
E	SQT11	2	10	100.0			1.3	0.13		
E	SQT11	3	10	100.0			1.3	0.13		
E	SQT11	4	9	90.0			1.3	0.14		
E	SQT11	5	8	80.0			1.0	0.13		
E	SQT11	6	10	100.0			1.2	0.12		
E	SQT11	7	9	90.0			1.2	0.13		
E	SQT11	8	9	90.0	7.4		1.1	0.12	0.13	0.01
F	12.5% SQT1	1	10	100.0		100.0	1.3	0.13		
F	12.5% SQT1	2	10	100.0		100.0	1.6	0.16		
F	12.5% SQT1	3	9	90.0		99.9	1.1	0.12		
F	12.5% SQT1	4	10	100.0		100.0	1.3	0.13		
F	12.5% SQT1	5	9	90.0		99.9	1.3	0.14		
F	12.5% SQT1	6	10	100.0		100.0	0.9	0.09		
F	12.5% SQT1	7	10	100.0		100.0	1.0	0.10		
F	12.5% SQT1	8	10	100.0	4.6	100.0	1.1	0.11	0.12	0.02
G	25% SQT1	1	10	100.0		100.0	0.9	0.09		
G	25% SQT1	2	8	80.0		99.8	0.9	0.11		
G	25% SQT1	3	10	100.0		100.0	1.0	0.10		
G	25% SQT1	4	10	100.0		100.0	1.0	0.10		
G	25% SQT1	5	8	80.0		99.8	0.8	0.10		
G	25% SQT1	6	10	100.0		100.0	1.0	0.10		
G	25% SQT1	7	0	0.0		99.0				
G	25% SQT1	8	10	100.0	34.5	100.0	1.1	0.11	0.10	0.01
H	50% SQT1	1	1	10.0		99.1	0.1	0.10		
H	50% SQT1	2	2	20.0		99.2	0.1	0.05		
H	50% SQT1	3	1	10.0		99.1	0.2	0.20		
H	50% SQT1	4	3	30.0		99.3	0.4	0.13		

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Corrected % Mortality	Total Dry wt (mg)	Individual Dry wt (mg)	Average Dry wt (mg)	Standard Deviation
H	50% SQT1	5	1	10.0		99.1	0.2	0.20		
H	50% SQT1	6	3	30.0		99.3	0.4	0.13		
H	50% SQT1	7	1	10.0		99.1	0.0	0.00		
H	50% SQT1	8	0	0.0	10.7	99.0			0.12	0.07
I	100% SQT1	1	0	0.0		99.0				
I	100% SQT1	2	0	0.0		99.0				
I	100% SQT1	3	0	0.0		99.0				
I	100% SQT1	4	0	0.0		99.0				
I	100% SQT1	5	0	0.0		99.0				
I	100% SQT1	6	0	0.0		99.0				
I	100% SQT1	7	0	0.0		99.0				
I	100% SQT1	8	0	0.0	0.0	99.0				
J	SQT4	1	10	100.0		100.0	1.8	0.18		
J	SQT4	2	10	100.0		100.0	1.8	0.18		
J	SQT4	3	9	90.0		99.9	1.7	0.19		
J	SQT4	4	9	90.0		99.9	1.8	0.20		
J	SQT4	5	10	100.0		100.0	1.6	0.16		
J	SQT4	6	9	90.0		99.9	1.8	0.20		
J	SQT4	7	9	90.0		99.9	1.5	0.17		
J	SQT4	8	9	90.0	5.2	99.9	1.5	0.17	0.18	0.02
K	SQT2	1	10	100.0		100.0	1.0	0.10		
K	SQT2	2	9	90.0		99.9	1.4	0.16		
K	SQT2	3	9	90.0		99.9	1.4	0.16		
K	SQT2	4	10	100.0		100.0	1.1	0.11		
K	SQT2	5	9	90.0		99.9	1.4	0.16		
K	SQT2	6	10	100.0		100.0	1.2	0.12		
K	SQT2	7	9	90.0		99.9	1.1	0.12		
K	SQT2	8	8	80.0	7.1	99.8	1.2	0.15	0.13	0.02
L	SQT5	1	10	100.0		100.0	1.6	0.16		
L	SQT5	2	10	100.0		100.0	2.0	0.20		
L	SQT5	3	9	90.0		99.9	1.4	0.16		
L	SQT5	4	10	100.0		100.0	2.0	0.20		
L	SQT5	5	10	100.0		100.0	1.7	0.17		
L	SQT5	6	7	70.0		99.7	0.8	0.11		
L	SQT5	7	9	90.0		99.9	1.8	0.20		
L	SQT5	8	9	90.0	10.4	99.9	1.9	0.21	0.18	0.03
M	SQT8	1	9	90.0		99.9	1.9	0.21		
M	SQT8	2	8	80.0		99.8	1.4	0.18		
M	SQT8	3	8	80.0		99.8	1.6	0.20		
M	SQT8	4	4	40.0		99.4	0.8	0.20		
M	SQT8	5	10	100.0		100.0	2.4	0.24		
M	SQT8	6	10	100.0		100.0	1.5	0.15		
M	SQT8	7	1	10.0		99.1	0.1	0.10		
M	SQT8	8	9	90.0	32.0	99.9	1.9	0.21	0.19	0.04

APPENDIX 11

Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 1 January 2006 to 13 January 2006

Appendix Table 11. Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 3 January 2006 to 13 January 2006
Temperature (° C)

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
3-Jan-06	0	7:00	1	22.8	23.2	23.2	22.5	22.7	23.3	22.6	22.7	23.2	22.8	23.0	22.7	23.0
3-Jan-06	0	7:00	2	23.0	23.2	23.4	22.7	22.8	23.4	22.5	22.8	23.4	23.0	23.1	22.7	22.9
3-Jan-06	0	7:00	3	22.9	23.2	23.3	22.8	22.8	23.4	22.9	22.7	23.2	22.8	23.1	22.7	23.2
3-Jan-06	0	7:00	4	22.9	23.4	23.4	22.8	23.0	23.4	22.9	22.8	23.2	23.0	23.1	22.7	23.0
3-Jan-06	0	7:00	5	22.9	23.4	23.3	22.8	22.7	23.3	22.7	22.8	23.3	23.3	23.2	22.7	23.0
3-Jan-06	0	7:00	6	22.8	23.4	23.2	22.8	22.9	23.3	22.8	22.8	23.2	23.0	23.2	22.7	23.1
3-Jan-06	0	7:00	7	22.9	23.4	23.2	22.9	22.6	23.2	22.7	22.7	23.4	23.1	23.2	22.7	22.9
3-Jan-06	0	7:00	8	22.8	23.3	23.2	22.8	22.9	23.2	22.8	22.8	23.3	22.9	23.0	22.7	22.9
4-Jan-06	1	8:45	4	23.0	23.5	23.5	23.0	23.2	23.4	23.2	23.1	23.5	23.5	23.8	23.0	23.2
4-Jan-06	1	8:45	6	23.1	23.8	23.5	23.0	23.2	23.4	23.1	23.2	23.6	23.3	23.6	23.0	23.3
4-Jan-06	1	14:30	4	23.0	23.2	23.0	22.8	22.7	23.1	22.7	22.8	23.2	23.0	22.9	22.6	22.9
4-Jan-06	1	14:30	8	22.7	23.2	23.2	22.9	22.6	23.2	22.8	22.8	23.3	23.2	23.0	22.8	23.1
5-Jan-06	2	8:50	4	23.0	23.2	23.1	22.6	22.7	23.2	22.7	22.9	23.0	23.0	23.1	22.4	23.0
5-Jan-06	2	8:50	5	22.8	23.2	23.1	22.6	22.7	23.3	22.7	22.7	23.1	23.1	23.0	22.5	23.0
5-Jan-06	2	15:00	2	22.5	23.1	23.0	22.3	22.4	22.9	22.5	22.6	23.0	22.9	22.9	22.1	22.7
5-Jan-06	2	15:00	4	22.6	23.0	23.1	22.3	22.6	22.9	22.7	22.6	23.1	22.8	23.0	22.2	22.9
6-Jan-06	3	9:00	4	22.6	23.1	23.2	22.5	22.4	23.1	22.3	22.4	23.1	22.7	22.9	22.1	22.5
6-Jan-06	3	9:00	7	22.6	23.2	23.2	22.5	22.4	22.9	22.3	22.5	23.1	22.8	22.5	22.1	22.6
6-Jan-06	3	14:45	3	22.3	22.9	22.8	22.1	22.1	23.0	21.9	22.0	22.9	22.7	22.7	22.0	22.7
6-Jan-06	3	14:45	4	22.3	23.0	22.8	22.0	22.1	23.1	22.2	22.1	23.0	22.8	22.8	22.0	22.8
7-Jan-06	4	8:00	1	23.7	23.7	23.7	23.7	23.8	23.7	23.3	23.7	23.7	23.6	23.6	23.4	23.7
7-Jan-06	4	8:00	4	23.8	23.8	23.8	23.7	23.8	23.8	23.6	23.8	23.2	23.6	23.6	23.5	23.7
7-Jan-06	4	15:15	3	23.2	23.8	23.3	23.1	23.2	23.7	23.1	23.2	23.5	23.8	23.7	23.2	23.8
7-Jan-06	4	15:15	4	23.3	23.8	23.4	23.2	23.2	23.8	23.2	23.3	23.7	23.8	23.8	23.2	23.7
8-Jan-06	5	8:30	4	23.1	23.6	23.6	23.1	23.2	23.6	23.1	23.1	23.6	23.5	23.4	23.0	23.5
8-Jan-06	5	8:30	6	23.0	23.7	23.6	23.1	23.2	23.7	23.2	23.2	23.6	23.5	23.5	23.0	23.6
8-Jan-06	5	14:30	4	22.9	23.9	23.7	22.5	23.0	23.9	22.9	22.9	23.8	23.7	23.8	22.9	23.6
8-Jan-06	5	14:30	8	23.0	23.7	23.7	23.0	22.9	23.9	22.9	22.9	23.9	23.8	23.8	22.8	23.6
9-Jan-06	6	8:15	4	22.8	22.9	23.7	23.0	23.1	23.7	22.9	22.9	23.8	23.8	23.8	22.9	23.4
9-Jan-06	6	8:15	5	22.8	23.8	23.7	23.0	23.1	23.8	23.0	23.3	24.0	23.6	24.0	22.9	23.6
9-Jan-06	6	13:00	2	23.3	24.1	23.9	23.3	23.2	23.9	23.2	23.2	24.1	23.9	23.7	23.1	23.7
9-Jan-06	6	13:00	4	23.4	24.1	24.0	23.3	23.1	23.8	23.2	23.2	24.1	23.8	23.7	23.0	23.7
10-Jan-06	7	8:50	4	23.4	23.9	23.9	23.3	23.3	23.9	23.4	23.2	24.0	23.8	24.0	23.1	23.8
10-Jan-06	7	8:50	7	23.2	24.2	23.9	23.1	23.2	23.8	23.4	23.2	24.0	24.1	24.0	23.3	23.8
10-Jan-06	7	15:00	3	23.5	24.0	23.8	23.5	23.3	23.8	23.4	23.4	24.0	23.7	23.6	23.1	23.6
10-Jan-06	7	15:00	4	23.6	24.0	23.7	23.5	23.4	23.8	23.5	23.5	24.0	23.7	23.7	23.1	23.5
11-Jan-06	8	8:30	4	23.4	23.8	23.7	23.2	23.3	24.2	23.2	23.3	24.2	23.9	24.0	23.3	23.9
11-Jan-06	8	8:30	6	23.4	24.1	23.6	23.2	23.4	24.2	23.4	23.4	24.2	24.2	24.0	23.0	24.1
11-Jan-06	8	15:00	4	23.3	24.0	23.9	23.1	23.3	23.7	23.2	23.2	24.0	24.0	23.5	23.1	24.0
11-Jan-06	8	15:00	8	23.4	24.0	24.0	23.2	23.3	23.9	23.3	23.2	24.1	24.1	23.9	23.4	23.9
12-Jan-06	9	8:00	4	23.3	24.1	24.1	23.4	23.4	24.1	23.3	23.4	24.2	24.0	24.0	23.3	24.2
12-Jan-06	9	8:00	6	23.3	24.3	24.1	23.4	23.5	24.2	23.3	23.5	24.3	24.1	24.1	23.4	24.1
12-Jan-06	9	14:00	4	23.3	23.7	24.0	23.3	23.6	23.9	23.4	23.3	24.2	24.0	24.1	23.3	24.0
12-Jan-06	9	14:00	8	23.1	23.9	23.9	23.5	23.6	24.1	23.5	23.5	24.3	24.0	24.1	23.4	24.0

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
13-Jan-06	10	7:05	1	23.2	24.0	23.9	23.0	23.4	23.9	23.2	23.3	23.9	23.7	23.8	231.0	23.7
13-Jan-06	10	7:05	2	23.4	24.0	24.0	23.4	23.5	24.0	23.3	23.3	24.0	23.8	23.8	23.1	23.9
13-Jan-06	10	7:05	3	23.2	24.1	23.9	23.3	23.1	24.1	23.3	23.3	24.0	23.9	23.7	23.3	23.9
13-Jan-06	10	7:05	4	23.3	24.2	24.0	23.3	23.5	24.1	23.3	23.3	24.0	24.0	23.8	23.2	24.0
13-Jan-06	10	7:05	5	23.3	24.1	24.0	23.2	23.2	24.0	23.3	23.1	24.0	24.0	23.7	23.1	23.9
13-Jan-06	10	7:05	6	23.3	24.2	23.9	23.3	23.4	24.0	23.3	23.3	24.0	24.1	23.7	23.1	23.6
13-Jan-06	10	7:05	7	23.3	24.2	23.9	23.3	23.3	24.1	23.4	23.3	24.0	23.8	23.8	23.2	23.7
13-Jan-06	10	7:05	8	23.4	24.2	23.8	23.4	23.3	24.0	23.3	23.4	24.0	23.9	23.8	23.2	23.8
			Average	**23.1**	**23.7**	**23.6**	**23.0**	**23.1**	**23.6**	**23.0**	**23.1**	**23.7**	**23.5**	**23.5**	**26.9**	**23.5**
			Minimum	22.3	22.9	22.8	22.0	22.1	22.9	21.9	22.0	22.9	22.7	22.5	22.0	22.5
			Maximum	23.8	24.3	24.1	23.7	23.8	24.2	23.6	23.8	24.3	24.2	24.1	231.0	24.2

Appendix Table 11. Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 3 January 2006 to 13 January 2006
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
3-Jan-06	0	7:00	1	7.1	6.1	5.8	5.2	4.0	6.0	5.4	6.6	4.6	3.7	4.0	6.2	2.5
3-Jan-06	0	7:00	2	7.0	6.3	5.9	5.2	5.6	6.0	5.0	7.3	6.5	4.1	3.8	6.9	3.7
3-Jan-06	0	7:00	3	6.9	6.8	5.0	4.6	6.8	5.4	5.1	5.3	4.8	3.9	4.1	6.8	4.8
3-Jan-06	0	7:00	4	7.0	6.9	5.1	3.9	7.5	6.6	5.9	7.1	6.5	3.1	4.1	6.3	3.5
3-Jan-06	0	7:00	5	6.9	6.7	5.1	4.9	4.8	6.4	5.0	4.3	7.3	3.8	4.1	5.4	5.8
3-Jan-06	0	7:00	6	7.0	6.2	6.0	4.7	5.1	7.0	4.4	6.9	4.2	3.7	6.5	5.6	6.8
3-Jan-06	0	7:00	7	6.9	5.9	6.2	4.9	4.4	5.7	6.4	7.3	4.3	4.2	3.5	5.6	3.4
3-Jan-06	0	7:00	8	7.3	6.3	4.6	6.0	7.2	6.0	5.1	6.9	6.7	4.6	5.1	5.3	4.8
4-Jan-06	1	8:45	4	7.4	6.0	5.6	5.0	6.3	5.4	6.4	6.9	5.8	6.3	7.0	7.0	5.6
4-Jan-06	1	8:45	6	6.5	6.7	6.6	6.0	5.1	6.0	6.3	5.9	5.0	4.2	6.8	6.7	4.4
4-Jan-06	1	14:30	4	7.0	7.2	6.9	5.2	7.7	6.5	7.7	6.9	7.0	7.4	7.0	6.9	3.5
4-Jan-06	1	14:30	8	7.0	6.8	6.8	6.6	7.8	6.6	7.4	7.4	6.3	6.4	5.8	6.2	3.3
5-Jan-06	2	8:50	4	7.0	8.3	8.0	6.6	7.5	6.0	7.5	7.1	7.1	7.0	7.2	7.6	5.4
5-Jan-06	2	8:50	5	7.2	8.2	7.3	7.5	5.8	6.8	7.5	7.1	6.8	7.4	7.2	7.5	6.9
5-Jan-06	2	15:00	2	7.5	8.2	8.3	7.7	4.7	6.2	7.6	7.5	7.5	7.0	7.5	5.8	4.8
5-Jan-06	2	15:00	4	7.4	8.1	7.9	7.2	7.2	6.8	7.1	7.1	7.6	7.1	7.6	6.8	6.8
6-Jan-06	3	9:00	4	7.0	6.9	7.4	6.4	7.8	5.9	7.5	7.2	7.0	7.3	6.9	6.9	7.0
6-Jan-06	3	9:00	7	7.3	6.9	7.5	7.0	5.2	7.9	7.1	7.0	6.9	7.4	6.5	7.0	3.5
6-Jan-06	3	14:45	3	7.0	6.7	7.3	6.5	7.2	6.9	8.1	8.2	8.2	7.0	7.7	8.2	7.6
6-Jan-06	3	14:45	4	6.9	7.1	7.6	6.6	7.4	7.1	8.3	7.4	8.0	7.1	7.7	7.8	7.1
7-Jan-06	4	8:00	1	7.3	7.6	7.6	4.6	7.3	6.8	8.4	7.2	7.7	6.4	7.5	6.9	4.8
7-Jan-06	4	8:00	4	7.3	7.7	7.0	5.6	6.8	6.6	8.4	6.9	6.7	7.4	6.9	6.6	6.5
7-Jan-06	4	15:15	3	6.7	6.7	6.7	6.5	7.0	6.4	7.5	7.2	7.3	7.6	7.6	7.4	5.2
7-Jan-06	4	15:15	4	6.8	6.9	6.8	6.2	7.1	6.7	6.8	7.1	6.7	7.4	7.6	7.3	5.6
8-Jan-06	5	8:30	4	6.8	6.9	6.5	6.5	6.7	6.3	6.6	7.4	7.1	6.2	7.3	6.7	7.3
8-Jan-06	5	8:30	6	6.8	6.7	6.8	6.5	6.5	6.9	6.7	7.1	6.6	6.3	6.8	6.6	6.9
8-Jan-06	5	14:30	4	6.7	7.7	7.6	6.6	7.6	6.9	6.9	7.5	6.6	6.6	7.5	6.6	7.3
8-Jan-06	5	14:30	8	6.7	7.1	6.6	6.8	7.0	7.6	6.9	6.9	7.4	6.7	6.6	6.4	7.2
9-Jan-06	6	8:15	4	7.7	7.8	6.5	6.9	6.9	6.3	7.4	7.3	6.0	6.0	6.4	7.1	7.6
9-Jan-06	6	8:15	5	7.6	7.8	7.0	7.0	7.4	7.4	5.9	7.7	6.5	7.1	5.8	7.2	7.5
9-Jan-06	6	13:00	2	6.8	7.4	6.6	6.7	7.6	6.4	6.4	6.9	7.1	6.1	7.3	6.9	6.8
9-Jan-06	6	13:00	4	7.1	7.7	6.7	6.6	7.6	7.3	7.0	6.8	7.4	7.2	8.1	7.0	7.1
10-Jan-06	7	8:50	4	7.4	8.3	7.4	7.0	7.3	5.9	6.6	7.1	7.1	5.9	6.7	7.5	6.7
10-Jan-06	7	8:50	7	7.5	8.2	7.0	7.3	7.0	7.0	6.7	7.0	7.8	6.8	7.0	7.6	6.8
10-Jan-06	7	15:00	3	7.0	6.9	7.4	7.2	6.7	7.1	6.5	6.8	6.4	5.9	5.2	6.6	7.2
10-Jan-06	7	15:00	4	7.2	7.1	7.4	6.9	6.5	6.4	6.9	6.7	6.3	6.3	5.2	6.5	7.2
11-Jan-06	8	8:30	4	7.0	7.9	6.8	7.5	7.5	6.0	7.8	7.6	6.3	7.1	7.3	7.1	8.1
11-Jan-06	8	8:30	6	6.8	6.7	6.8	6.3	7.0	5.9	7.5	7.1	6.1	7.2	7.4	7.2	6.5
11-Jan-06	8	15:00	4	6.8	7.2	7.8	7.8	7.5	7.3	7.4	7.5	8.0	6.3	7.3	6.8	6.9
11-Jan-06	8	15:00	8	7.0	6.9	7.8	7.7	7.7	7.3	7.5	7.6	8.0	6.1	6.8	7.0	7.1
12-Jan-06	9	8:00	4	6.9	7.0	6.5	6.2	7.0	6.1	6.4	6.8	7.0	6.4	7.1	6.7	6.5
12-Jan-06	9	8:00	6	7.2	6.6	6.4	6.0	7.1	6.2	5.7	6.1	7.1	7.1	7.0	6.7	7.1
12-Jan-06	9	14:00	4	6.6	7.3	6.4	7.1	6.3	6.6	7.7	7.1	7.2	7.3	7.1	7.3	6.8
12-Jan-06	9	14:00	8	6.7	7.2	6.3	6.0	6.7	6.8	7.5	6.9	7.0	7.3	6.4	6.7	6.7

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
13-Jan-06	10	7:05	1	6.7	7.5	7.0	7.1	7.0	5.7	7.1	6.6	6.2	6.0	6.8	7.3	7.4
13-Jan-06	10	7:05	2	6.6	7.3	6.2	7.3	7.4	4.9	5.6	6.2	5.3	5.8	6.6	7.1	7.4
13-Jan-06	10	7:05	3	6.9	6.7	6.8	6.7	7.5	6.3	6.1	6.5	6.2	6.5	6.6	6.6	7.3
13-Jan-06	10	7:05	4	7.0	6.6	6.6	6.9	7.6	5.4	5.9	6.7	6.1	6.9	6.9	6.7	7.5
13-Jan-06	10	7:05	5	5.7	6.9	6.5	6.4	7.0	6.1	6.2	6.5	6.3	6.6	7.0	6.8	7.5
13-Jan-06	10	7:05	6	5.5	6.9	6.0	5.9	7.4	6.1	6.2	6.7	6.4	6.4	6.1	6.8	7.1
13-Jan-06	10	7:05	7	6.4	6.6	6.4	7.1	6.9	6.2	6.4	6.7	6.4	6.8	6.2	6.9	6.2
13-Jan-06	10	7:05	8	5.5	6.6	6.4	6.5	7.3	6.3	6.3	6.4	6.4	6.1	6.6	7.3	7.0
			Average	**6.9**	**7.1**	**6.7**	**6.4**	**6.8**	**6.4**	**6.7**	**6.9**	**6.6**	**6.2**	**6.5**	**6.8**	**6.2**
			Minimum	5.5	5.9	4.6	3.9	4.0	4.9	4.4	4.3	4.2	3.1	3.5	5.3	2.5
			Maximum	7.7	8.3	8.3	7.8	7.8	7.9	8.4	8.2	8.2	7.6	8.1	8.2	8.1

Appendix Table 11. Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 3 January 2006 to 13 January 2006
pH

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
3-Jan-06	0	7:00	1	7.80	7.56	7.46	7.22	7.74	7.62	7.87	7.96	7.53	7.89	7.77	7.54	6.90
3-Jan-06	0	7:00	4	8.13	7.89	7.88	7.23	7.73	7.80	7.70	7.97	7.59	7.10	7.17	7.55	7.09
3-Jan-06	0	7:00	5	8.17	8.00	7.28	7.22	7.10	7.87	7.73	7.79	7.78	7.20	7.14	7.35	7.55
3-Jan-06	0	7:00	8	8.18	7.76	7.17	7.01	7.70	7.64	7.47	7.95	7.85	7.21	7.29	7.59	7.13
13-Jan-06	10	7:05	1	7.95	8.18	8.01	7.87	8.01	7.59	8.01	8.06	7.92	7.80	7.92	7.92	7.93
13-Jan-06	10	7:05	4	7.96	8.17	8.06	7.90	8.05	7.59	7.63	7.94	7.93	8.03	7.79	7.84	8.00
13-Jan-06	10	7:05	5	7.76	8.22	8.00	7.83	7.74	7.79	7.87	8.00	8.01	8.06	7.96	7.96	8.02
13-Jan-06	10	7:05	8	7.79	8.23	7.81	7.96	7.94	7.91	7.85	8.03	8.01	7.89	7.86	7.98	7.98
			Average	**7.97**	**8.00**	**7.71**	**7.53**	**7.75**	**7.73**	**7.77**	**7.96**	**7.83**	**7.65**	**7.61**	**7.72**	**7.58**
			Minimum	7.76	7.56	7.17	7.01	7.10	7.59	7.47	7.79	7.53	7.10	7.14	7.35	6.90
			Maximum	8.18	8.23	8.06	7.96	8.05	7.91	8.01	8.06	8.01	8.06	7.96	7.98	8.02

Appendix Table 11. Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 3 January 2006 to 13 January 2006
Conductivity (µmhos/cm)

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
3-Jan-06	0	7:00	1	146	143	156	155	129	155	154	143	148	150	142	146	144
3-Jan-06	0	7:00	8	147	143	164	145	133	151	142	142	144	149	145	144	142
13-Jan-06	10	7:05	1	134	131	138	133	131	141	138	135	139	141	136	136	137
13-Jan-06	10	7:05	8	135	130	139	133	130	136	138	134	136	139	136	133	135
			Average	**141**	**137**	**149**	**141**	**131**	**145**	**143**	**139**	**141**	**145**	**140**	**140**	**139**
			Minimum	134	130	138	133	129	136	138	134	136	139	136	133	135
			Maximum	147	143	164	155	133	155	154	143	148	150	145	146	144

Appendix Table 11. Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 3 January 2006 to 13 January 2006
nmonia (ppm)

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
3-Jan-06	0	7:00	1	<0.063	0.279	0.265	0.604	<0.063	0.219	0.176	0.131	0.168	<0.063	<0.063	<0.063	<0.063
3-Jan-06	0	7:00	8	<0.063	0.196	0.480	0.264	<0.063	0.258	0.250	0.128	0.089	<0.063	<0.063	<0.063	<0.063
13-Jan-06	10	7:05	1	0.162	<0.063	0.173	0.242	0.140	0.394	0.170	0.149	0.217	0.101	0.160	0.160	0.144
13-Jan-06	10	7:05	8	0.263	<0.063	0.195	0.224	0.126	0.241	0.192	0.150	0.195	0.083	0.159	0.160	0.150
			Average	**0.122**	**0.135**	**0.278**	**0.334**	**0.082**	**0.278**	**0.197**	**0.140**	**0.167**	**0.062**	**0.100**	**0.100**	**0.089**
			Minimum	<0.063	<0.063	0.173	0.224	<0.063	0.219	0.170	0.128	0.089	<0.063	<0.063	<0.063	<0.063
			Maximum	0.263	0.279	0.480	0.604	0.140	0.394	0.250	0.150	0.217	0.101	0.160	0.160	0.150

Appendix Table 11. Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 3 January 2006 to 13 January 2006
DOC (ppm)

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
3-Jan-06	0	7:00	1	2.9	2.7	3.5	5	44	3.9	3.6	3.7	5.7	9	12.9	9	5.3
3-Jan-06	0	7:00	8	2.3	2.8	3.6	5.1	32	3.6	3.3	3.8		14.5	18.5	6.7	3.5
13-Jan-06	10	7:05	1	2.2	2.5	3.8	2	2.2	1.8	1.6	1.7	2.6	2.1	2.6	3.4	2.7
13-Jan-06	10	7:05	8	1.9	2.5	2.9	1.8	2.7	2.4	2.1	3.9	2.1	1.8	2.5	1.8	2
			Average	**2.3**	**2.6**	**3.5**	**3.5**	**20.2**	**2.9**	**2.7**	**3.3**	**3.5**	**6.9**	**9.1**	**5.2**	**3.4**
			Minimum	1.9	2.5	2.9	1.8	2.2	1.8	1.6	1.7	2.1	1.8	2.5	1.8	2.0
			Maximum	2.9	2.8	3.8	5.1	44.0	3.9	3.6	3.9	5.7	14.5	18.5	9.0	5.3

Appendix Table 11. Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 3 January 2006 to 13 January 2006
Hardness (mg/L as CaCO3)

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
3-Jan-06	0	7:00	3	44.4	45.2	53.2	54.0	56.0	52.4	54.8	52.4	52.0		68.0	57.2	
3-Jan-06	0	7:00	7	55.2	56.8	49.2	54.0		53.6	50.0	54.0	56.4	64.4		60.4	
13-Jan-06	10	7:05	3	44.0	43.6	48.8	48.4	47.2	48.0	50.4	48.8	48.0	53.2	50.0	47.6	47.6
13-Jan-06	10	7:05	7	51.6	44.8	48.0	48.4	36.8	49.2	49.2	46.4	50.4	51.6	50.8	49.2	49.6
			Average	**48.8**	**47.6**	**49.8**	**51.2**	**46.7**	**50.8**	**51.1**	**50.4**	**51.7**	**56.4**	**56.3**	**53.6**	**48.6**
			Minimum	44.0	43.6	48.0	48.4	36.8	48.0	49.2	46.4	48.0	51.6	50.0	47.6	47.6
			Maximum	55.2	56.8	53.2	54.0	56.0	53.6	54.8	54.0	56.4	64.4	68.0	60.4	49.6

Appendix Table 11. Water Chemistry Parameters for *H. azteca* Exposed to Sediments and a Dilution Series Under Laboratory Light, 3 January 2006 to 13 January 2006
Alkalinity (mg/L as CaCOe)

Date	Day	Time	Rep	Sand	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	25% STQ1	50% SQT1	100% SQT1	SQT4	SQT2	SQT5	SQT8
3-Jan-06	0	7:00	2	50.4	51.6	48.8	59.6	50.0	51.6	52.4	52.0	57.6	66.4	59.6	56.8	59.2
3-Jan-06	0	7:00	6	47.6	52.8	50.4	57.6	51.6	50.0	49.6	53.6	57.2	67.2	62.4	58.4	54.8
13-Jan-06	10	7:05	2	54.0	50.4	51.2	54.8	52.0	52.8	52.8	51.6	55.6	58.0	56.8	54.4	54.4
13-Jan-06	10	7:05	6	53.6	50.8	50.4	53.2	44.4	54.0	52.8	53.2	56.8	57.2	57.2	56.0	56.4
			Average	**51.4**	**51.4**	**50.2**	**56.3**	**49.5**	**52.1**	**51.9**	**52.6**	**56.8**	**62.2**	**59.0**	**56.4**	**56.2**
			Minimum	47.6	50.4	48.8	53.2	44.4	50.0	49.6	51.6	55.6	57.2	56.8	54.4	54.4
			Maximum	54.0	52.8	51.2	59.6	52.0	54.0	52.8	53.6	57.6	67.2	62.4	58.4	59.2

APPENDIX 12

Survival and Growth of *H. azteca* following 10-d Exposure to Ashland Harbor Sediment and Dilution Series Under UV Light, 1 January 2006 to 13 January 2006

Appendix Table 12. Survival and Growth of *H. azteca* following 10-d exposure to Ashland Harbor Sediment and Dilution Series Under UV light, 3 January 2006 to 13 January 2

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Corrected % Mortality	Total Dry wt (mg)	Individual Dry wt (mg)	Average Dry wt (mg)	Standard Deviation
A	Silica Sand	1	10	100			1.2	0.12		
A	Silica Sand	2	9	90			1.2	0.13		
A	Silica Sand	3	11	110			1.1	0.10		
A	Silica Sand	4	10	100			1.2	0.12		
A	Silica Sand	5	10	100			1.1	0.11		
A	Silica Sand	6	10	100			1.5	0.15		
A	Silica Sand	7	8	80			1.1	0.14		
A	Silica Sand	8	11	110	9.9		1.3	0.12	0.12	0.02
B	Silica Sand w/ leafs	1	10	100			1.9	0.19		
B	Silica Sand w/ leafs	2	9	90			1.5	0.17		
B	Silica Sand w/ leafs	3	9	90			1.5	0.17		
B	Silica Sand w/ leafs	4	10	100			1.6	0.16		
B	Silica Sand w/ leafs	5	9	90			1	0.11		
B	Silica Sand w/ leafs	6	10	100			1.4	0.14		
B	Silica Sand w/ leafs	7	10	100			2.2	0.22		
B	Silica Sand w/ leafs	8	12	120	9.9		2	0.17	0.17	0.03
C	W. Bearskin	1	9	90			0.8	0.09		
C	W. Bearskin	2	10	100			1.2	0.12		
C	W. Bearskin	3	8	80			1	0.13		
C	W. Bearskin	4	9	90			0.9	0.10		
C	W. Bearskin	5	10	100			1.2	0.12		
C	W. Bearskin	6	9	90			0.9	0.10		
C	W. Bearskin	7	9	90			1	0.11		
C	W. Bearskin	8	9	90	6.4		1	0.11	0.11	0.01
D	Dilution sediment	1	9	90			1	0.11		
D	Dilution sediment	2	10	100			1.4	0.14		
D	Dilution sediment	3	10	100			1	0.10		
D	Dilution sediment	4	10	100			1.1	0.11		
D	Dilution sediment	5	10	100			1.2	0.12		
D	Dilution sediment	6	10	100			1	0.10		
D	Dilution sediment	7	10	100			1	0.10		
D	Dilution sediment	8	9	90	4.6		1.1	0.12	0.11	0.01
F	SQT9	1	9	90			1.7	0.19		
F	SQT9	2	10	100			1.5	0.15		
F	SQT9	3	9	90			1.6	0.18		
F	SQT9	4	10	100			1.4	0.14		
F	SQT9	5	10	100			1.6	0.16		
F	SQT9	6	10	100			1.1	0.11		
F	SQT9	7	7	70			1.5	0.21		
F	SQT9	8	8	80	11.3		1	0.13	0.16	0.03
G	SQT11	1	8	80			1	0.13		
G	SQT11	2	8	80			0.9	0.11		
G	SQT11	3	7	70			0.7	0.10		
G	SQT11	4	10	100			1.3	0.13		
G	SQT11	5	9	90			1	0.11		
G	SQT11	6	7	70			1	0.14		
G	SQT11	7	6	60			0.9	0.15		
G	SQT11	8	8	80	12.5		1	0.13	0.12	0.02
H	12.5%	1	8	80		99.8	0.8	0.10		
H	12.5%	2	9	90		99.9	0.8	0.09		
H	12.5%	3	3	30		99.3	0.6	0.20		
H	12.5%	4	9	90		99.9	0.9	0.10		
H	12.5%	5	10	100		100.0	1.3	0.13		
H	12.5%	6	8	80		99.8	0.9	0.11		
H	12.5%	7	8	80		99.8	0.8	0.10		
H	12.5%	8	8	80	21.0	99.8	0.8	0.10	0.12	0.04
I	12.5% w/ Leafs	1	10	100		100.0	1.6	0.16		
I	12.5% w/ Leafs	2	10	100		100.0	1.2	0.12		
I	12.5% w/ Leafs	3	9	90		99.9	1.6	0.18		
I	12.5% w/ Leafs	4	8	80		99.8	1.2	0.15		
I	12.5% w/ Leafs	5	10	100		100.0	1.4	0.14		
I	12.5% w/ Leafs	6	10	100		100.0	1.6	0.16		
I	12.5% w/ Leafs	7	10	100		100.0	2	0.20		
I	12.5% w/ Leafs	8	9	90	7.6	99.9	1.3	0.14	0.16	0.02

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Corrected % Mortality	Total Dry wt (mg)	Individual Dry wt (mg)	Average Dry wt (mg)	Standard Deviation
J	25%	1	0	0		99.0				
J	25%	2	0	0		99.0				
J	25%	3	4	40		99.4	0.4	0.10		
J	25%	4	0	0		99.0				
J	25%	5	2	20		99.2	0.3	0.15		
J	25%	6	0	0		99.0				
J	25%	7	2	20		99.2	0.2	0.10		
J	25%	8	1	10	14.6	99.1	0.1	0.10	0.11	0.03
K	25% w/ Leafs	1	7	70		99.7	1.1	0.16		
K	25% w/ Leafs	2	4	40		99.4	0.3	0.08		
K	25% w/ Leafs	3	5	50		99.5	0.8	0.16		
K	25% w/ Leafs	4	7	70		99.7	0.7	0.10		
K	25% w/ Leafs	5	6	60		99.6	0.6	0.10		
K	25% w/ Leafs	6	4	40		99.4	0.4	0.10		
K	25% w/ Leafs	7	8	80		99.8	1.1	0.14		
K	25% w/ Leafs	8	3	30	17.7	99.3	0.3	0.10	0.12	0.03
L	50%	1	0	0		99.0				
L	50%	2	0	0		99.0				
L	50%	3	0	0		99.0				
L	50%	4	0	0		99.0				
L	50%	5	0	0		99.0				
L	50%	6	0	0		99.0				
L	50%	7	0	0		99.0				
L	50%	8	0	0	0.0	99.0				
M	50% w/ Leafs	1	0	0		99.0				
M	50% w/ Leafs	2	0	0		99.0				
M	50% w/ Leafs	3	0	0		99.0				
M	50% w/ Leafs	4	0	0		99.0				
M	50% w/ Leafs	5	0	0		99.0				
M	50% w/ Leafs	6	0	0		99.0				
M	50% w/ Leafs	7	0	0		99.0				
M	50% w/ Leafs	8	0	0	0.0	99.0				
N	100%	1	0	0		99.0				
N	100%	2	0	0		99.0				
N	100%	3	0	0		99.0				
N	100%	4	0	0		99.0				
N	100%	5	0	0		99.0				
N	100%	6	0	0		99.0				
N	100%	7	0	0		99.0				
N	100%	8	0	0	0.0	99.0				
O	100% w/ Leafs	1	0	0		99.0				
O	100% w/ Leafs	2	0	0		99.0				
O	100% w/ Leafs	3	0	0		99.0				
O	100% w/ Leafs	4	0	0		99.0				
O	100% w/ Leafs	5	0	0		99.0				
O	100% w/ Leafs	6	0	0		99.0				
O	100% w/ Leafs	7	0	0		99.0				
O	100% w/ Leafs	8	0	0	0.0	99.0				
P	SQT2	1	8	80		99.8	1.3	0.16		
P	SQT2	2	10	100		100.0	1.2	0.12		
P	SQT2	3	10	100		100.0	1.1	0.11		
P	SQT2	4	8	80		99.8	0.7	0.09		
P	SQT2	5	10	100		100.0	1	0.10		
P	SQT2	6	9	90		99.9	1.2	0.13		
P	SQT2	7	9	90		99.9	1.1	0.12		
P	SQT2	8	9	90	8.3	99.9	0.9	0.10	0.12	0.02
Q	SQT4	1	9	90		99.9	1	0.11		
Q	SQT4	2	8	80		99.8	0.9	0.11		
Q	SQT4	3	7	70		99.7	0.8	0.11		
Q	SQT4	4	5	50		99.5	0.6	0.12		
Q	SQT4	5	7	70		99.7	0.6	0.09		
Q	SQT4	6	6	60		99.6	0.6	0.10		
Q	SQT4	7	7	70		99.7	1	0.14		
Q	SQT4	8	8	80	12.5	99.8	1	0.13	0.11	0.02

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Corrected % Mortality	Total Dry wt (mg)	Individual Dry wt (mg)	Average Dry wt (mg)	Standard Deviation
R	SQT5	1	3	30		99.3	0.3	0.10		
R	SQT5	2	6	60		99.6	0.7	0.12		
R	SQT5	3	5	50		99.5	0.4	0.08		
R	SQT5	4	5	50		99.5	0.8	0.16		
R	SQT5	5	0	0		99.0				
R	SQT5	6	6	60		99.6	0.8	0.13		
R	SQT5	7	4	40		99.4	0.5	0.13		
R	SQT5	8	3	30	20.0	99.3	0.4	0.13	0.12	0.03
S	SQT8	1	10	100		100.0	1.7	0.17		
S	SQT8	2	9	90		99.9	1.5	0.17		
S	SQT8	3	9	90		99.9	1.2	0.13		
S	SQT8	4	9	90		99.9	1.3	0.14		
S	SQT8	5	8	80		99.8	1.1	0.14		
S	SQT8	6	10	100		100.0	2	0.20		
S	SQT8	7	9	90		99.9	1.6	0.18		
S	SQT8	8	5	50	16.0	99.5	0.6	0.12	0.16	0.03

APPENDIX 13

Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV Light, 1 January 2006 to 13 January 2006

Appendix Table 13. Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV light, 3 January 2006 to 13 January 2006
Temeprature (° C)

Date	Day	Time	Rep	Silica Sand	Silica Sand w/ leafs	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT	25% SQT1	w/ 25% SQT1	50% SQT1	w/ 50% SQT1	100% SQT	100% SQT1 w/	SQT2	SQT4	SQT5	SQT8
3-Jan-06	0	7:30	1	22.5	22.6	22.2	22.7	22.3	22.3	22.0	22.7	22.7	22.8	22.6	22.7	22.6	22.2	22.2	22.4	22.7	22.2
3-Jan-06	0	7:30	2	22.7	22.6	22.3	22.8	22.3	22.4	22.0	22.7	22.8	22.7	22.7	22.7	22.4	22.4	22.4	22.5	22.7	22.3
3-Jan-06	0	7:30	3	22.7	22.6	22.3	22.8	22.5	22.5	21.9	22.8	22.7	22.7	22.7	22.7	22.7	22.3	22.4	22.6	22.8	22.3
3-Jan-06	0	7:30	4	22.7	22.7	22.3	22.9	22.4	22.7	21.9	22.9	22.7	22.8	22.7	22.7	22.5	22.3	22.7	22.7	22.7	22.4
3-Jan-06	0	7:30	5	22.7	22.6	22.3	22.8	22.6	22.5	21.9	22.7	22.6	22.7	22.7	22.7	22.4	22.5	22.7	22.6	22.8	22.7
3-Jan-06	0	7:30	6	22.7	22.6	22.4	22.7	22.6	22.7	22.1	22.8	22.8	22.8	22.6	22.8	22.5	22.4	22.5	22.7	22.8	22.6
3-Jan-06	0	7:30	7	22.7	22.6	22.4	22.7	22.5	22.5	22.1	22.7	22.7	22.8	22.7	22.7	22.4	22.7	22.6	22.6	22.9	22.6
3-Jan-06	0	7:30	8	22.7	22.4	22.3	22.8	22.7	22.7	22.1	22.9	22.8	22.7	22.6	22.6	22.6	22.4	22.6	22.7	22.7	22.7
4-Jan-06	1	9:00	4	22.8	23.0	22.3	23.2	22.8	22.9	23.0	23.2	23.3	23.2	23.0	23.1	22.9	22.9	23.0	23.2	23.0	22.9
4-Jan-06	1	9:00	6	22.9	23.0	22.4	23.2	23.0	23.0	23.0	23.3	23.2	23.2	23.0	23.1	23.0	23.0	23.0	23.1	23.0	23.0
4-Jan-06	1	14:45	4	23.0	22.9	22.5	22.8	22.5	22.8	21.5	22.8	23.0	22.8	22.9	22.9	22.7	22.8	22.5	22.7	22.7	22.5
4-Jan-06	1	14:45	8	23.0	23.0	22.6	23.0	22.8	22.9	21.9	23.0	23.0	23.0	23.0	23.0	22.8	23.0	22.6	21.8	22.8	22.7
5-Jan-06	2	9:00	4	22.9	22.9	22.7	22.5	22.5	22.8	22.2	23.0	22.9	23.0	22.9	22.8	22.7	22.5	22.8	22.9	22.7	22.4
5-Jan-06	2	9:00	5	22.9	22.9	22.5	22.9	22.9	22.8	22.4	23.0	23.0	23.0	22.9	22.9	22.7	22.7	22.8	22.9	22.9	22.6
5-Jan-06	2	15:00	2	22.6	22.5	22.2	23.0	22.4	22.6	22.0	22.9	22.8	22.7	22.7	22.8	22.6	22.2	22.6	22.9	22.5	22.4
5-Jan-06	2	15:00	4	22.7	22.5	22.2	22.8	22.7	22.7	21.7	23.0	22.9	22.7	22.8	22.9	22.6	22.4	22.8	22.9	22.5	22.4
6-Jan-06	3	10:00	4	21.9	22.2	21.8	22.2	21.8	22.0	21.2	22.1	22.2	22.1	21.8	22.0	21.9	21.5	21.8	21.9	21.5	21.8
6-Jan-06	3	10:00	7	22.0	22.3	21.9	22.2	21.9	22.1	21.6	22.1	22.1	22.2	21.8	22.1	21.9	21.7	21.9	22.0	21.5	21.8
6-Jan-06	3	15:00	3	22.5	22.7	22.1	22.6	22.2	22.3	22.1	22.9	22.7	22.9	22.7	22.7	22.7	22.6	22.6	22.6	22.5	22.7
6-Jan-06	3	15:00	4	22.5	22.7	22.2	22.6	22.6	22.4	22.2	22.9	22.8	23.0	22.7	22.9	22.7	22.8	22.7	22.8	22.6	22.7
7-Jan-06	4	8:30	1	23.1	23.1	22.7	23.1	22.9	22.7	22.5	22.9	232.0	23.2	22.9	22.9	22.9	22.8	22.9	23.0	22.8	23.0
7-Jan-06	4	8:30	4	23.1	23.1	22.7	23.2	22.9	22.6	22.4	23.1	23.2	23.2	22.9	23.0	22.8	22.9	22.9	22.7	22.8	22.9
7-Jan-06	4	15:30	3	23.0	23.0	22.7	23.1	22.7	22.9	22.9	23.0	23.2	23.3	22.9	22.9	23.1	22.7	23.0	23.1	23.1	23.0
7-Jan-06	4	15:30	4	23.0	23.1	22.7	23.1	23.0	22.9	23.0	23.2	23.3	23.3	22.9	23.1	23.0	22.8	23.1	23.2	23.2	23.0
8-Jan-06	5	8:45	4	23.0	23.0	22.7	23.0	22.9	22.9	22.5	22.8	23.0	23.1	22.7	23.0	23.0	22.8	23.0	22.6	22.8	23.0
8-Jan-06	5	8:45	6	23.1	23.1	22.8	23.1	23.0	23.0	22.6	22.8	23.1	23.1	22.6	23.0	23.0	22.9	23.0	22.7	22.9	23.1
8-Jan-06	5	14:30	4	22.8	23.1	22.6	23.1	22.9	23.0	22.2	23.1	23.2	23.1	22.8	22.9	22.8	22.6	23.1	23.1	23.0	22.8
8-Jan-06	5	14:30	8	23.0	23.1	22.8	23.2	23.0	23.0	22.6	23.1	23.2	23.1	22.7	23.0	22.9	22.9	23.1	23.0	22.9	23.0
9-Jan-06	6	8:30	4	22.8	22.8	22.8	23.0	22.8	23.0	22.8	22.6	23.3	23.3	22.9	22.8	23.0	23.2	22.9	23.0	23.0	23.0
9-Jan-06	6	8:30	5	22.9	22.6	22.6	23.0	22.8	23.0	22.8	23.1	23.3	23.3	23.0	23.0	23.0	23.2	22.9	23.0	22.9	23.0
9-Jan-06	6	15:00	2	22.8	22.9	22.4	23.2	22.9	22.9	22.6	23.1	23.0	23.0	22.7	23.0	23.0	22.6	22.8	23.0	23.1	231.0
9-Jan-06	6	15:00	4	22.9	23.0	22.5	23.2	22.8	23.0	22.5	23.1	23.2	23.2	22.9	23.1	23.0	22.8	22.9	23.0	23.1	22.9
10-Jan-06	7	9:00	4	22.9	23.0	22.5	23.0	22.2	23.1	22.2	22.6	23.2	23.5	233.0	23.2	23.1	23.2	23.1	23.0	22.9	22.8
10-Jan-06	7	9:00	7	23.0	23.2	22.7	23.1	22.7	23.3	22.3	22.7	23.4	23.3	23.0	23.3	23.1	23.3	23.3	23.0	22.9	23.0
10-Jan-06	7	15:30	3	23.1	23.2	22.7	23.2	22.9	23.1	22.6	23.2	23.3	23.4	23.1	23.0	23.0	22.9	22.9	23.1	23.0	22.9
10-Jan-06	7	15:30	4	23.1	23.1	22.7	23.3	23.1	23.2	22.7	23.2	23.3	23.4	23.1	23.1	22.9	22.9	23.1	23.0	23.0	23.0
11-Jan-06	8	8:30	4	23.3	23.5	23.0	23.3	23.2	23.1	23.0	23.6	23.8	23.7	23.4	23.6	23.3	23.4	23.3	23.4	23.2	23.2
11-Jan-06	8	8:30	6	23.2	23.6	23.1	23.3	23.3	23.3	23.2	23.7	23.5	23.7	23.1	23.6	23.3	23.5	23.1	23.5	23.2	23.4
11-Jan-06	8	15:00	4	23.2	23.4	22.8	23.5	23.4	23.3	23.2	23.4	23.6	23.7	23.3	23.4	23.2	23.1	23.3	23.4	23.3	23.2
11-Jan-06	8	15:00	8	23.3	23.5	23.0	23.6	23.4	23.3	23.4	23.5	23.7	23.7	23.4	23.4	23.0	23.3	23.5	23.5	23.4	23.3
12-Jan-06	9	8:30	4	23.3	23.4	22.9	23.6	23.4	23.4	22.6	23.4	23.6	23.6	23.4	23.5	23.2	23.3	23.4	23.4	23.4	23.5
12-Jan-06	9	8:30	6	23.5	23.4	22.9	23.7	23.4	23.4	22.9	23.4	23.6	23.6	23.4	23.5	23.2	23.3	23.5	23.5	23.4	23.6
12-Jan-06	9	14:00	4	23.8	23.6	23.3	23.6	23.2	23.6	23.3	23.9	23.9	23.8	24.0	23.2	23.4	23.6	23.6	23.7	23.5	23.5
12-Jan-06	9	14:00	8	23.8	23.8	23.1	23.9	23.6	23.6	23.5	23.6	23.8	23.8	23.9	23.6	23.5	23.9	23.6	23.6	23.5	23.7
13-Jan-06	10	7:50	1	23.1	23.2	22.7	23.4	23.1	23.1	22.8	23.4	23.4	23.5	23.1	23.3	23.2	23.2	23.0	23.4	23.2	23.1
13-Jan-06	10	7:50	2	23.1	23.2	22.8	23.4	23.2	23.1	22.9	23.4	23.4	23.5	23.1	23.3	23.2	23.2	23.1	23.4	23.2	23.2
13-Jan-06	10	7:50	3	23.2	23.3	22.7	23.4	23.1	23.2	22.5	23.5	23.5	23.6	23.1	23.2	23.3	23.3	23.2	23.3	23.3	23.2
13-Jan-06	10	7:50	4	23.2	23.3	22.8	23.4	23.2	23.1	22.4	23.4	23.6	23.5	23.2	23.3	23.2	23.2	23.3	23.4	23.2	23.2
13-Jan-06	10	7:50	5	23.3	23.3	22.8	23.3	23.3	23.2	22.7	23.4	23.4	23.6	23.2	23.3	23.2	23.2	23.2	23.4	23.2	23.2
13-Jan-06	10	7:50	6	23.3	23.3	22.8	23.4	23.2	23.2	22.8	23.4	23.5	23.5	23.2	23.3	23.2	23.2	23.2	23.3	23.2	23.3
13-Jan-06	10	7:50	7	23.3	23.1	22.8	23.3	23.2	23.1	22.9	23.4	23.7	23.6	23.2	23.3	23.2	23.2	23.5	23.3	23.3	23.2
13-Jan-06	10	7:50	8	23.3	23.2	22.8	23.4	23.2	23.3	23.0	23.4	23.5	23.5	23.3	23.3	23.2	23.2	23.2	23.3	23.1	23.2
			Average	**23.0**	**23.0**	**22.6**	**23.1**	**22.8**	**22.9**	**22.5**	**23.1**	**27.2**	**23.2**	**27.0**	**23.0**	**22.9**	**22.9**	**22.9**	**23.0**	**22.9**	**26.9**
			Minimum	21.9	22.2	21.8	22.2	21.8	22.0	21.2	22.1	22.1	22.1	21.8	22.0	21.9	21.5	21.8	21.8	21.5	21.8
			Maximum	23.8	23.8	23.3	23.9	23.6	23.6	23.5	23.9	232.0	23.8	233.0	23.6	23.5	23.9	23.6	23.7	23.5	231.0

Appendix Table 13 Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV light, 3 January 2006 to 13 January 2006
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Silica Sand	Silica Sand w/ leafs	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	12.5% SQT1 w/ leafs	25% SQT1	25% SQT1 w/ leafs	50% SQT1	50% SQT1 w/ leafs	100% SQT 1	100% SQT1 w/ leafs	SQT2	SQT4	SQT5	SQT8
3-Jan-06	0	7:30	1	7.3	7.3	7.2	5.9	3.2	4.2	7.2	6.0	5.4	5.7	5.8	7.1	4.5	5.3	4.5	6.7	6.2	5.4
3-Jan-06	0	7:30	2	6.6	7.5	7.4	6.7	3.2	4.7	6.7	6.4	5.9	6.1	5.1	7.4	5.2	4.6	5.3	7.1	4.3	5.9
3-Jan-06	0	7:30	3	7.1	7.5	6.9	5.9	4.4	4.5	6.1	6.6	4.6	6.7	5.5	6.6	5.6	4.3	6.0	6.7	6.4	5.4
3-Jan-06	0	7:30	4	7.3	7.5	6.8	6.0	4.0	5.2	6.0	5.5	6.1	5.8	4.9	7.0	5.0	4.6	7.1	7.0	4.5	5.0
3-Jan-06	0	7:30	5	7.3	7.0	6.4	5.5	6.2	3.9	6.6	6.2	6.5	6.8	6.0	6.3	5.2	5.8	6.5	5.2	5.4	2.9
3-Jan-06	0	7:30	6	7.4	7.1	6.4	6.7	4.3	4.3	6.4	6.8	5.4	6.4	4.6	6.1	5.1	5.0	4.0	5.4	5.1	6.0
3-Jan-06	0	7:30	7	7.4	6.7	6.7	5.8	3.4	6.7	6.4	6.4	5.1	5.8	4.7	4.7	5.9	6.7	6.3	6.0	6.3	4.4
3-Jan-06	0	7:30	8	6.6	6.9	6.6	6.1	6.7	7.3	6.5	6.9	5.6	6.4	6.4	5.1	6.6	5.0	5.3	5.2	6.8	6.1
4-Jan-06	1	9:00	4	7.7	6.7	6.2	6.1	6.3	6.2	6.3	6.4	6.9	6.6	7.1	6.4	7.0	6.7	7.4	6.4	8.0	5.8
4-Jan-06	1	9:00	8	7.3	6.5	6.4	6.3	6.5	3.8	6.5	6.3	6.7	6.4	6.6	6.3	5.8	7.1	7.5	7.3	4.1	6.3
4-Jan-06	1	14:45	4	6.9	7.1	7.3	6.4	7.9	6.8	6.8	6.5	7.3	6.9	7.6	5.7	7.8	6.0	9.1	8.8	7.4	5.4
4-Jan-06	1	14:45	8	7.0	7.0	7.4	7.5	8.3	6.8	6.9	6.6	7.8	6.5	7.6	6.5	7.8	5.2	8.5	8.4	7.9	7.0
5-Jan-06	2	9:00	4	8.2	7.2	6.7	7.0	6.4	5.2	7.7	7.9	7.7	8.0	6.9	7.0	7.0	6.1	8.9	8.3	7.1	8.8
5-Jan-06	2	9:00	5	7.4	7.3	6.9	7.7	8.1	7.1	7.8	7.8	7.8	7.6	6.4	6.2	5.2	8.1	7.7	7.0	7.7	6.7
5-Jan-06	2	15:00	2	9.3	8.8	7.2	7.0	8.6	6.5	7.6	6.5	7.5	8.1	8.2	7.3	6.7	6.4	8.9	7.6	5.8	9.1
5-Jan-06	2	15:00	4	9.3	8.7	7.5	6.9	8.3	7.0	7.9	6.9	7.7	8.1	7.6	7.2	6.8	6.7	7.4	7.5	5.8	8.8
6-Jan-06	3	10:00	4	8.3	8.0	7.3	8.1	9.1	7.6	7.8	7.9	7.9	8.2	8.2	7.3	8.0	8.0	9.0	8.6	7.0	8.5
6-Jan-06	3	10:00	7	7.0	6.9	7.6	8.4	7.7	7.7	8.1	7.5	7.8	8.1	7.6	6.9	7.3	7.6	8.6	7.9	7.9	8.3
6-Jan-06	3	15:00	3	7.8	7.1	7.0	6.8	8.7	7.6	7.3	6.6	6.4	6.7	7.9	6.5	6.8	6.4	7.0	6.8	6.2	6.7
6-Jan-06	3	15:00	4	8.4	7.0	6.9	6.7	6.6	7.5	7.3	6.1	7.1	6.9	7.9	6.9	7.2	6.2	7.3	7.0	7.9	6.8
7-Jan-06	4	9:30	1	7.0	7.0	7.2	7.1	6.4	6.1	8.0	7.0	6.6	6.5	7.4	5.9	7.5	6.5	9.1	8.4	7.4	6.9
7-Jan-06	4	9:30	4	7.1	7.1	7.0	6.7	7.8	6.4	8.1	8.5	6.9	6.9	7.0	6.5	7.4	7.4	8.8	8.0	7.1	9.2
7-Jan-06	4	15:30	3	7.5	7.0	6.9	7.1	7.8	5.9	8.5	8.5	7.4	7.3	8.6	6.7	7.5	7.4	8.5	7.7	7.5	7.4
7-Jan-06	4	15:30	4	7.7	6.8	6.9	6.4	7.9	5.9	8.6	8.8	7.2	7.0	8.7	7.1	7.4	6.3	7.1	7.8	6.6	7.3
8-Jan-06	5	9:45	4	6.8	7.0	8.3	7.9	6.9	7.9	6.6	4.6	7.1	6.8	6.8	6.0	6.6	6.7	8.2	8.6	7.7	6.0
8-Jan-06	5	9:45	8	6.9	6.9	7.0	7.8	6.0	6.4	7.7	6.6	7.1	5.8	7.4	5.9	4.7	6.9	6.4	7.6	5.9	6.4
8-Jan-06	5	14:30	4	7.3	6.9	6.6	6.4	7.4	6.9	7.7	5.4	7.2	6.6	6.5	6.5	6.5	6.7	7.2	7.4	6.7	7.0
8-Jan-06	5	14:30	8	6.7	6.5	7.4	6.9	6.7	6.7	6.6	6.6	7.1	6.2	6.5	6.6	6.9	7.4	6.5	7.0	7.1	6.7
9-Jan-06	6	8:30	4	7.9	7.6	7.3	8.2	8.7	7.6	7.3	7.2	7.0	7.0	6.7	6.3	8.1	6.9	7.2	7.8	6.6	8.0
9-Jan-06	6	8:30	5	7.8	6.3	6.3	7.0	8.5	8.2	7.1	6.9	6.0	6.5	5.9	7.2	6.1	7.9	8.7	8.0	7.2	8.5
9-Jan-06	6	15:00	2	6.8	7.2	7.9	6.6	8.6	6.3	6.8	5.0	7.5	6.3	6.8	6.1	7.2	6.6	7.4	7.1	6.6	8.0
9-Jan-06	6	15:00	4	7.3	7.3	6.9	6.1	8.3	6.2	6.7	5.7	6.9	6.6	6.6	6.4	7.3	7.2	7.9	6.8	6.0	7.4
10-Jan-06	7	9:00	4	8.7	7.8	6.4	7.9	8.3	8.7	7.0	6.6	6.7	7.8	7.1	8.6	7.9	7.7	8.2	8.7	6.7	8.1
10-Jan-06	7	9:00	7	8.3	8.4	7.8	8.0	8.9	8.3	6.7	7.0	7.8	7.5	7.9	6.9	7.3	7.6	7.7	7.1	7.1	8.2
10-Jan-06	7	15:30	3	6.7	7.0	6.9	6.4	6.4	6.5	7.2	5.5	5.8	5.2	6.2	6.3	7.3	5.7	6.1	6.3	5.2	6.2
10-Jan-06	7	15:30	4	6.8	6.7	7.0	6.1	6.5	6.4	5.7	5.3	5.7	5.9	5.9	6.3	6.9	6.3	6.9	5.9	5.2	6.2
11-Jan-06	8	8:30	4	8.0	6.8	6.5	6.1	7.8	8.0	5.7	5.5	5.0	6.3	6.3	5.5	7.6	6.2	7.7	7.9	6.2	7.5
11-Jan-06	8	8:30	8	7.9	5.7	5.4	7.0	7.1	7.8	6.0	4.4	6.7	4.7	6.4	6.1	7.0	6.4	7.8	7.1	4.8	7.0
11-Jan-06	8	15:00	4	7.3	6.7	6.2	6.4	6.9	7.3	6.6	5.8	7.1	6.5	6.4	5.7	7.2	7.5	7.8	7.9	7.1	8.4
11-Jan-06	8	15:00	8	6.9	7.0	7.3	6.8	7.0	7.4	6.5	6.3	7.1	6.8	6.4	6.0	7.3	7.4	7.9	7.9	7.3	7.9
12-Jan-06	9	8:30	4	6.6	6.6	5.8	5.9	6.5	6.3	6.3	5.4	6.0	5.9	5.7	4.5	6.5	5.5	6.2	6.2	5.4	6.3
12-Jan-06	9	8:30	6	6.8	6.8	5.8	6.7	5.9	6.0	6.0	4.9	5.9	4.7	6.0	5.5	6.1	6.0	6.0	6.0	3.7	6.1
12-Jan-06	9	14:00	4	6.2	6.5	6.1	6.0	8.1	7.2	7.2	7.4	6.2	6.6	6.1	7.1	7.1	6.7	7.4	7.4	6.6	6.8
12-Jan-06	9	14:00	8	6.6	6.6	6.4	7.2	7.6	7.7	7.7	6.5	6.3	5.6	5.6	6.6	6.6	6.8	7.5	7.5	5.5	6.1
13-Jan-06	10	7:50	1	6.6	6.6	6.5	6.5	6.2	6.0	6.0	6.6	6.9	5.4	6.1	6.2	6.4	4.6	7.0	7.0	6.5	6.2
13-Jan-06	10	7:50	2	6.3	6.5	6.0	6.3	7.0	5.9	5.9	6.2	6.9	5.4	6.2	6.7	6.4	5.2	6.5	6.5	6.2	6.5
13-Jan-06	10	7:50	3	6.4	6.6	6.5	6.1	7.0	6.2	6.2	6.0	6.4	6.5	6.0	6.5	7.0	5.5	6.8	6.8	6.1	6.4
13-Jan-06	10	7:50	4	6.6	6.6	6.0	6.0	6.1	6.4	6.4	6.2	6.9	6.0	6.0	6.6	6.7	6.4	7.0	7.0	6.3	6.2
13-Jan-06	10	7:50	5	6.6	5.7	6.6	6.3	6.5	6.1	6.1	5.6	7.2	4.4	5.5	4.9	5.5	5.6	6.6	6.6	4.6	6.0
13-Jan-06	10	7:50	6	7.0	6.4	6.1	6.3	6.6	6.8	6.8	5.6	6.4	4.9	6.4	6.6	6.0	5.9	6.8	6.8	4.3	6.3
13-Jan-06	10	7:50	7	6.8	6.6	6.3	6.3	7.2	6.0	6.0	4.7	6.5	5.5	6.2	5.8	6.1	6.0	6.4	6.4	5.9	5.8
13-Jan-06	10	7:50	8	6.6	7.1	5.9	6.3	6.5	6.5	6.5	6.4	5.7	5.8	5.8	6.2	5.8	6.4	6.4	6.4	4.9	6.2
			Average	**7.3**	**7.0**	**6.8**	**6.7**	**6.9**	**6.5**	**6.8**	**6.3**	**6.7**	**6.4**	**6.6**	**6.4**	**6.6**	**6.4**	**7.1**	**7.1**	**6.3**	**6.7**
			Minimum	6.2	5.7	5.4	5.5	3.2	3.8	5.7	4.4	4.6	4.4	4.6	4.5	4.5	4.3	4.0	5.2	3.7	2.9
			Maximum	9.3	8.8	8.3	8.4	9.1	8.7	8.1	8.6	7.9	8.2	8.9	8.6	8.1	8.1	9.1	8.8	8.2	9.2

Appendix Table 13. Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV light, 3 January 2006 to 13 January 2006

pH

Date	Day	Time	Rep	Silica Sand	Silica Sand w/ leafs	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	12.5% SQT1 w/ leafs	25% SQT1	25% SQT1 w/ leafs	50% SQT1	50% SQT1 w/ leafs	100% SQT 1	100% SQT1 w/ leafs	SQT2	SQT4	SQT5	SQT8
3-Jan-06	0	7:00	1	8.11	7.99	7.95	7.42	7.22	6.85	7.56	7.78	7.54	7.37	7.68	7.43	7.85	6.97	7.63	6.80	7.79	7.27
3-Jan-06	0	7:00	4	8.14	8.07	7.92	7.43	7.17	7.09	7.49	7.89	7.61	7.43	7.93	7.45	7.44	7.38	7.79	6.84	7.88	7.13
3-Jan-06	0	7:00	5	8.15	8.13	7.82	7.54	7.89	6.72	7.71	7.69	7.75	7.77	7.41	7.52	7.27	7.88	7.78	7.08	7.70	7.02
3-Jan-06	0	7:00	8	8.15	8.14	7.90	7.66	7.77	7.84	7.90	7.89	7.51	7.66	7.60	7.50	7.78	7.89	7.58	7.47	7.81	7.70
13-Jan-06	10	7:05	1	8.12	8.15	7.79	7.98	8.04	7.55	7.68	8.00	7.62	7.50	7.58	7.56	7.96	7.54	7.72	8.00	7.71	7.93
13-Jan-06	10	7:05	4	8.10	8.17	7.53	7.75	7.71	7.56	7.63	7.82	7.70	7.63	7.57	7.64	7.90	7.71	8.01	8.01	7.82	7.72
13-Jan-06	10	7:05	5	8.17	7.82	7.74	7.92	8.07	7.55	7.45	7.50	7.79	7.38	7.53	7.48	7.54	7.65	7.84	7.71	7.45	7.93
13-Jan-06	10	7:05	8	8.17	8.19	7.78	8.02	7.98	7.90	7.70	7.93	7.58	7.91	7.56	7.71	7.77	7.74	7.77	7.83	7.46	7.75
			Average	**8.14**	**8.08**	**7.80**	**7.72**	**7.73**	**7.38**	**7.64**	**7.81**	**7.64**	**7.58**	**7.61**	**7.54**	**7.69**	**7.60**	**7.77**	**7.47**	**7.70**	**7.56**
			Minimum	8.10	7.82	7.53	7.42	7.17	6.72	7.45	7.50	7.51	7.37	7.41	7.43	7.27	6.97	7.58	6.80	7.45	7.02
			Maximum	8.17	8.19	7.95	8.02	8.07	7.90	7.90	8.00	7.79	7.91	7.93	7.71	7.96	7.89	8.01	8.01	7.88	7.93

Appendix Table 13. Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV light 3 January 2006 to 13 January 2006
Conductivity (µmhos/cm)

Date	Day	Time	Rep	Silica Sand	Silica Sand w/ leafs	W. Basrskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	12.5% SQT1 w/ leafs	25% SQT1	25% SQT1 w/ leafs	50% SQT1	50% SQT1 w/ leafs	100% SQT 1	100% SQT1 w/ leafs	SQT2	SQT4	SQT5	SQT8
3-Jan-06	0	7:00	1	149	147	144	159	163	136	155	148	143	151	150	150	146	151	148	151	148	153
3-Jan-06	0	7:00	8	148	146	142	151	150	137	151	147	151	145	146	148	145	149	147	155	148	150
13-Jan-06	10	7:05	1	136	133	132	135	136	130	137	137	139	142	140	141	133	136	138	134	133	133
13-Jan-06	10	7:05	8	135	132	130	135	135	130	137	137	141	140	135	138	132	133	138	135	137	132
			Average	**142**	**139**	**137**	**148**	**146**	**133**	**145**	**142**	**144**	**144**	**143**	**144**	**139**	**142**	**143**	**144**	**141**	**142**
			Minimum	135	132	130	135	135	130	137	137	139	140	135	138	132	133	138	134	133	132
			Maximum	**149**	**147**	**144**	**159**	**163**	**137**	**155**	**148**	**151**	**151**	**150**	**150**	**146**	**151**	**148**	**155**	**148**	**153**

Appendix Table 13. Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV light, 3 January 2006 to 13 January 2006.
Ammonia (ppm)

Date	Day	Time	Rep	Silica Sand	Silica Sand w/ leafs	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	12.5% SQT1 w/ leafs	25% SQT1	25% SQT1 w/ leafs	50% SQT1	50% SQT1 w/ leafs	100% SQT 1	100% SQT1 w/ leafs	SQT2	SQT4	SQT5	SQT8
3-Jan-06	0	7:00	1	<0.063	<0.063	0.143	0.327	0.816	<0.063	0.178	0.155	0.225	0.261	0.185	0.162	0.095	0.317	<0.063	<0.063	<0.063	<0.063
3-Jan-06	0	7:00	8	<0.063	<0.063	0.148	0.151	0.290	<0.063	0.127	0.116	0.217	0.136	0.133	0.224	0.065	0.205	<0.063	<0.063	<0.063	<0.063
13-Jan-06	10	7:05	1	0.248	0.106	0.107	0.277	0.292	0.148	0.252	0.267	0.312	0.442	0.439	0.361	0.161	0.353	0.100	0.127	0.139	0.130
13-Jan-06	10	7:05	8	0.250	0.102	0.104	0.263	0.258	0.148	0.272	0.251	0.399	0.422	0.252	0.305	0.177	0.207	0.117	0.140	0.173	0.130
			Average	**0.140**	**0.068**	**0.126**	**0.255**	**0.414**	**0.090**	**0.207**	**0.197**	**0.288**	**0.315**	**0.252**	**0.263**	**0.125**	**0.271**	**0.070**	**0.083**	**0.094**	**0.081**
			Minimum	<0.063	<0.063	0.104	0.151	0.258	<0.063	0.127	0.116	0.217	0.136	0.133	0.162	0.065	0.205	<0.063	<0.063	<0.063	<0.063
			Maximum	0.250	0.106	0.148	0.327	0.816	0.148	0.272	0.267	0.399	0.442	0.439	0.361	0.177	0.353	0.117	0.140	0.173	0.130

Appendix Table 13 Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV light 3 January 2006 to 13 January 2006
DOC (ppm)

Date	Day	Time	Rep	Silica Sand	Silica Sand w/ leafs	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	12.5% SQT1 w/ leafs	25% SQT1	25% SQT1 w/ leafs	50% SQT1	50% SQT1 w/ leafs	100% SQT 1	100% SQT1 w/ leafs	SQT2	SQT4	SQT5	SQT6
13-Jan-06	10	7:05	1	1.7	1.3		1.3	2.1		1.5	1.8	2.4	1.1	4.3	1.7	2.0	2.6	1.9	1.5	2.2	2.3
13-Jan-06	10	7:05	8	2.0		1.2	1.7	1.7	2.1	1.3	1.6	1.8	1.0	1.8	1.8	1.7	1.6	1.9	1.8	4.3	1.8
			Average	**1.9**	**1.3**	**1.2**	**1.5**	**1.9**	**2.1**	**1.4**	**1.7**	**2.1**	**1.1**	**3.1**	**1.8**	**1.9**	**2.1**	**1.9**	**1.7**	**3.3**	**2.1**
			Minimum	1.7	1.3	1.2	1.3	1.7	2.1	1.3	1.6	1.8	1.0	1.8	1.7	1.7	1.6	1.9	1.5	2.2	1.8
			Maximum	2.0	1.3	1.2	1.7	2.1	2.1	1.5	1.8	2.4	1.1	4.3	1.8	2.0	2.6	1.9	1.8	4.3	2.3

Appendix Table 13 Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV light. 3 January 2006 to 13 January 2006
Hardness (mg/L as CaCO3)

Date	Day	Time	Rep	Silica Sand	Silica Sand w/ leafs	W. Bearskin	Dilution Sediment	SQT9	SQT11	12.5% SQT1	12.5% SQT1 w/ leafs	25% SQT1	25% SQT1 w/ leafs	50% SQT1	50% SQT1 w/ leafs	100% SQT 1	100% SQT1 w/ leafs	SQT2	SQT4	SQT5	SQT8
3-Jan-06	0	7:00	3	47.6	47.2	43.2	55.6	64.0		47.2	51.2	65.6	68.0	55.6	56.8	52.0	52.8	63.6	56.0	54.0	62.0
3-Jan-06	0	7:00	7	48.0	46.0	44.4	55.2	74.0	73.6	53.2	64.0	55.6	75.2	68.0	67.2	52.8	49.2	55.2	64.8	56.4	62.0
13-Jan-06	10	7:05	3	50.8	49.6	48.8	48.8	49.6	52.0	53.6	56.0	51.6	49.6	49.2	43.2	49.2	52.4	50.4	58.0	50.4	48.4
13-Jan-06	10	7:05	7	50.0	49.6	46.0	52.8	48.4	48.4	49.6	52.4	52.4	53.6	50.8	52.4	50.4	52.8	52.4	56.4	51.2	47.6
			Average	**49.1**	**48.1**	**45.6**	**53.1**	**59.0**	**58.0**	**50.9**	**55.9**	**56.3**	**61.6**	**55.9**	**54.9**	**51.1**	**51.8**	**55.4**	**58.3**	**53.0**	**55.0**
			Minimum	47.6	46.0	43.2	48.8	48.4	48.4	47.2	51.2	51.6	49.6	49.2	43.2	49.2	49.2	50.4	56.0	50.4	47.6
			Maximum	50.8	49.6	48.8	55.6	74.0	73.6	53.6	64.0	65.6	75.2	68.0	67.2	52.8	52.8	63.6	64.8	56.4	62.0

Appendix Table 13 Water Chemistry Parameters for *H. azteca* Exposed to Ashland Harbor Sediments and a Dilution Series Under UV light 3 January 2006 to 13 January 2006
Alkalinity (mg/L as CaCo3)

Date	Day	Time	Rep	Silica Sand	Silica Sand w/ leafs	W Bearskin	Dilution Sediment	SQT9	SQT11	12 5% SQT1	12 5% SQT1 w/ leafs	25% SQT1	25% SQT1 w/ leafs	50% SQT1	50% SQT1 w/ leafs	100% SQT 1	100% SQT1 w/ leafs	SQT2	SQT4	SQT5	SQT8
3-Jan-06	0	7.00	2	50.4	51.6	48.8	48.4	72		51.2	52.8	54	52.4	50	52.4	59.6	57.6	60.8	55.6	60.8	60.4
3-Jan-06	0	7.00	6	50.4	48.8	47.6	5.08	63.2	50.4	51.6	54.4	50.8	50.4	54.4	52	57.6	55.2	62.8	63.6	62.8	60.4
13-Jan-06	10	7.05	2	56	54.8	52.4	54	55.2	54.4	53.8	56.8	56.4	57.2	59.6	58	56	58.8	58.4	56.8	60	56.8
13-Jan-06	10	7.05	6	57.2	56	53.2	53.6	57.6	55.6	56.8	57.2	59.6	58.8	56.4	58.4	58	54.8	57.2	60	56.4	57.6
			Average	**53.5**	**52.8**	**50.5**	**40.3**	**62.0**	**53.5**	**53.3**	**55.3**	**55.2**	**54.7**	**55.1**	**55.2**	**57.8**	**56.6**	**59.8**	**59.0**	**60.0**	**58.8**
			Minimum	50.4	48.8	47.6	5.1	55.2	50.4	51.2	52.8	50.8	50.4	50.0	52.0	56.0	54.8	57.2	55.6	56.4	56.8
			Maximum	57.2	56.0	53.2	54.0	72.0	55.6	56.8	57.2	59.6	58.8	59.6	58.4	59.6	58.8	62.8	63.6	62.8	60.4

APPENDIX 14

Survival and Growth of *Pimephales promelas* Following 7-d of Exposure to Ashland Harbor Sediments, July 8-18, 2005

Appendix Table 14. Survival and Growth of *Pimephales promelas* Following 7-d of Exposure to Ashland Harbor Sediments, July 8-15, 2005.

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Corrected Mortallity (%)	Number Weighed	Total Dry Wt. (mg)	Individual Dry Wt. (mg)	Average Dry Wt (mg)	Standard Deviation
A	Silica Sand	1	10	100.0			10	5.7	0.57		
A	Silica Sand	2	10	100.0			10	6.1	0.61		
A	Silica Sand	3	8	80.0			8	5.2	0.65		
A	Silica Sand	4	10	100.0			10	7.8	0.78		
A	Silica Sand	5	10	100.0			9	8.4	0.93		
A	Silica Sand	6	9	90.0			9	5.5	0.61		
A	Silica Sand	7	10	100.0			10	7.2	0.72		
A	Silica Sand	8	9	90.0	7.6		9	7.6	0.84	0.71	0.13
B	Form. Sediment	1	9	90.0			9	5.6	0.62		
B	Form. Sediment	2	8	80.0			8	5.2	0.65		
B	Form. Sediment	3	9	90.0			9	5.9	0.66		
B	Form. Sediment	4	10	100.0			10	5.3	0.53		
B	Form. Sediment	5	9	90.0			9	4.7	0.52		
B	Form. Sediment	6	9	90.0			9	5.5	0.61		
B	Form. Sediment	7	10	100.0			10	4.7	0.47		
B	Form. Sediment	8	9	90.0	6.4		9	5.5	0.61	0.58	0.07
C	W. Bearskin	1	8	80.0			8	3.6	0.45		
C	W. Bearskin	2	9	90.0			8	3.8	0.48		
C	W. Bearskin	3	8	80.0			8	4.9	0.61		
C	W. Bearskin	4	7	70.0			7	10	1.43		
C	W. Bearskin	5	10	100.0			10	6.1	0.61		
C	W. Bearskin	6	9	90.0			9	5.2	0.58		
C	W. Bearskin	7	10	100.0			10	6.3	0.63		
C	W. Bearskin	8	5	50.0	16.7		5	3	0.60	0.67	0.31
D	SQT9	1	6	60.0			6	5.3	0.88		
D	SQT9	2	7	70.0			7	6.2	0.89		
D	SQT9	3	9	90.0			9	4.1	0.46		
D	SQT9	4	10	100.0			10	6.1	0.61		
D	SQT9	5	1	10.0			1	0.4	0.40		
D	SQT9	6	7	70.0			7	5.1	0.73		
D	SQT9	7	8	80.0			10	5.5	0.55		
D	SQT9	8	8	80.0	27.3		8	6.6	0.83	0.67	0.19
E	SQT10	1	9	90.0			9	7	0.78		
E	SQT10	2	10	100.0			10	6.2	0.62		
E	SQT10	3	9	90.0			9	9.6	1.07		
E	SQT10	4	10	100.0			10	7.4	0.74		
E	SQT10	5	10	100.0			10	5.7	0.57		
E	SQT10	6	10	100.0			10	8.9	0.89		
E	SQT10	7	10	100.0			10	6.6	0.66		
E	SQT10	8	9	90.0	5.2		9	6.4	0.71	0.75	0.16
F	SQT11	1	9	90.0			9	6.3	0.70		
F	SQT11	2	8	80.0			8	5.4	0.68		
F	SQT11	3	10	100.0			10	6.6	0.66		
F	SQT11	4	10	100.0			10	5.9	0.59		
F	SQT11	5	9	90.0			9	5.2	0.58		
F	SQT11	6	9	90.0			9	5.4	0.60		
F	SQT11	7	9	90.0			9	4.7	0.52		
F	SQT11	8	8	80.0	7.6		9	5.2	0.58	0.61	0.06

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Corrected Mortallity (%)	Number Weighed	Total Dry Wt. (mg)	Individual Dry Wt. (mg)	Average Dry Wt (mg)	Standard Deviation
G	SQT12	1	10	100.0			10	6.9	0.69		
G	SQT12	2	9	90.0			9	4.9	0.54		
G	SQT12	3	10	100.0			9	5.9	0.66		
G	SQT12	4	9	90.0			9	5.6	0.62		
G	SQT12	5	9	90.0			9	6	0.67		
G	SQT12	6	9	90.0			9	5.7	0.63		
G	SQT12	7	10	100.0			10	5.4	0.54		
G	SQT12	8	9	90.0	5.2		9	6	0.67	0.63	0.06
H	SQT6	1	10	100.0		100.1	10	3.4	0.34		
H	SQT6	2	9	90.0		99.9	9	4.8	0.53		
H	SQT6	3	10	100.0		100.1	10	6.8	0.68		
H	SQT6	4	9	90.0		99.9	9	6.7	0.74		
H	SQT6	5	8	80.0		99.8	8	5	0.63		
H	SQT6	6	9	90.0		99.9	9	5.4	0.60		
H	SQT6	7	10	100.0		100.1	10	4.3	0.43		
H	SQT6	8	10	100.0	7.4	100.1	10	5.9	0.59	0.57	0.13
I	SQT2	1	9	90.0		99.9	9	6.5	0.72		
I	SQT2	2	8	80.0		99.8	8	5.5	0.69		
I	SQT2	3	7	70.0		99.7	7	5.2	0.74		
I	SQT2	4	9	90.0		99.9	9	5.1	0.57		
I	SQT2	5	10	100.0		100.1	10	8.2	0.82		
I	SQT2	6	9	90.0		99.9	9	6.3	0.70		
I	SQT2	7	10	100.0		100.1	10	5.3	0.53		
I	SQT2	8	10	100.0	10.7	100.1	10	6.3	0.63	0.67	0.10
J	SQT7	1	10	100.0		100.1	10	5.3	0.53		
J	SQT7	2	9	90.0		99.9	9	4.5	0.50		
J	SQT7	3	8	80.0		99.8	8	3.5	0.44		
J	SQT7	4	9	90.0		99.9	9	5.1	0.57		
J	SQT7	5	10	100.0		100.1	10	5.5	0.55		
J	SQT7	6	9	90.0		99.9	9	6.8	0.76		
J	SQT7	7	8	80.0		99.8	8	4.2	0.53		
J	SQT7	8	9	90.0	7.6	99.9	9	3.9	0.43	0.54	0.10
K	SQT4	1	8	80.0		99.8	8	4.7	0.59		
K	SQT4	2	9	90.0		99.9	9	4.5	0.50		
K	SQT4	3	9	90.0		99.9	9	4.4	0.49		
K	SQT4	4	10	100.0		100.1	10	5.9	0.59		
K	SQT4	5	8	80.0		99.8	8	4.5	0.56		
K	SQT4	6	10	100.0		100.1	10	4.4	0.44		
K	SQT4	7	10	100.0		100.1	10	5.9	0.59		
K	SQT4	8	9	90.0	8.3	99.9	9	5.2	0.58	0.54	0.06
L	SQT3	1	6	60.0		99.6	6	3.3	0.55		
L	SQT3	2	8	80.0		99.8	8	7	0.88		
L	SQT3	3	7	70.0		99.7	7	3	0.43		
L	SQT3	4	9	90.0		99.9	9	5.8	0.64		
L	SQT3	5	10	100.0		100.1	10	5.6	0.56		
L	SQT3	6	10	100.0		100.1	10	6.3	0.63		
L	SQT3	7	9	90.0		99.9	9	4.8	0.53		
L	SQT3	8	7	70.0	14.9	99.7	7	6	0.86	0.63	0.16
M	SQT5	1	9	90.0		99.9	8	5.4	0.68		
M	SQT5	2	10	100.0		100.1	10	7	0.70		
M	SQT5	3	10	100.0		100.1	10	7.1	0.71		
M	SQT5	4	8	80.0		99.8	8	5.4	0.68		
M	SQT5	5	8	80.0		99.8	8	7	0.88		
M	SQT5	6	10	100.0		100.1	9	5.2	0.58		
M	SQT5	7	10	100.0		100.1	10	6.5	0.65		
M	SQT5	8	10	100.0	9.2	100.1	10	8.1	0.81	0.71	0.09

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Standard Deviation	Corrected Mortallity (%)	Number Weighed	Total Dry Wt. (mg)	Individual Dry Wt. (mg)	Average Dry Wt (mg)	Standard Deviation
N	SQT1	1	7	70.0		99.7	7	3.4	0.49		
N	SQT1	2	9	90.0		99.9	9	5.1	0.57		
N	SQT1	3	8	80.0		99.8	8	3.8	0.48		
N	SQT1	4	7	70.0		99.7	7	3.2	0.46		
N	SQT1	5	5	50.0		99.5	5	2.4	0.48		
N	SQT1	6	8	80.0		99.8	8	3.1	0.39		
N	SQT1	7	8	80.0		99.8	8	4.2	0.53		
N	SQT1	8	9	90.0	13.0	99.9	9	3.6	0.40	0.47	0.06
O	SQT8	1	9	90.0		99.9	9	7.3	0.81		
O	SQT8	2	10	100.0		100.1	10	6.2	0.62		
O	SQT8	3	8	80.0		99.8	7	4.4	0.63		
O	SQT8	4	9	90.0		99.9	9	6.5	0.72		
O	SQT8	5	10	100.0		100.1	10	6.7	0.67		
O	SQT8	6	9	90.0		99.9	9	6.6	0.73		
O	SQT8	7	10	100.0		100.1	10	6.4	0.64		
O	SQT8	8	10	100.0	7.4	100.1	10	6	0.60	0.68	0.07

APPENDIX 15

Water Chemistry Parameters for 7-d *Pimephales promelas*
Exposed to Ashland Harbor Sediments,
July 8-18, 2005

Appendix Table 15. Water Chemistry Parameters for 7-d *Pimephales promelas* Exposed to Ahsland Harbor Sediments, July 8-15, 2005.
Temperature (° C)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
8-Jul-05	0	7:30	1	22.3	23.0	22.8	22.8	22 8	22.2	22.6	22.3	22.7	22.5	22.4	22.3	22.7	23.0	22.2
8-Jul-05	0	7:30	2	22.3	22.9	22.8	22.7	22.9	22.2	22.7	22.3	22.6	22.6	22.4	22.4	22.8	22.9	22.3
8-Jul-05	0	7:30	3	22.4	22.9	22.9	22.8	22.9	22.2	22.3	22.2	22.7	22.6	22.5	22.4	22.7	22.9	22.4
8-Jul-05	0	7:30	4	22.3	22.8	22.9	22.8	22.9	22.2	22.7	22.2	22.9	22.6	22.6	22.4	22.8	22.9	22.4
8-Jul-05	0	7:30	5	22.5	22.8	22.9	22.9	23.0	22.2	22.7	22.3	22.8	22.5	22.8	22.4	22.8	22.8	22.6
8-Jul-05	0	7:30	6	22.5	22.8	22.9	22.8	22.9	22.2	22.7	22.3	22.8	22.6	22.8	22.4	22.9	22.9	22.5
8-Jul-05	0	7:30	7	22.4	22.7	22.8	22.9	22.9	22.3	22.6	22.3	22.7	22.5	22.7	22.5	23.0	22.8	22.5
8-Jul-05	0	7:30	8	22.5	22.8	22.8	22.8	22.9	22.1	22.7	22.4	22.7	22.4	22.7	22.5	23.0	22.9	22.5
8-Jul-05	0	16:30	1	22.1	23.0	22.8	22.9	23.0	22.4	23.0	22.7	23.0	22.8	23.0	22.7	23.2	23.2	22.8
8-Jul-05	0	16:30	4	22.3	23.1	22.8	22.9	23.0	22.3	22.9	22.7	23.1	22.8	23.0	22.7	23.2	23.2	22.8
9-Jul-05	1	9:00	4	23.1	22.9	23.4	23.0	23.1	23.3	23.2	23.2	23.2	23.2	23.2	23.0	23.1	23.2	23.3
9-Jul-05	1	9:00	6	23.1	22.9	23.4	23.1	23.2	23.3	23.2	23.3	23.3	23.2	23.2	23.2	23.1	23.2	23.3
9-Jul-05	1	18:00	4	23.5	23.4	23.6	23.5	23.6	23.8	23.7	23.7	23.6	23.7	23.5	23.8	23.7	23.7	23.8
9-Jul-05	1	18:00	8	23.5	23.4	23.6	23.5	23.6	23.8	23.8	23.8	23.6	23.7	23.8	23.8	23.7	23.7	23.8
10-Jul-05	2	8:45	4	23.4	23.2	23.4	23.4	23.4	23.6	23.3	23.6	23.4	23.5	23.4	23.5	23.4	23.4	23.5
10-Jul-05	2	8:45	5	23.5	23.3	23.5	23.5	23.5	23.5	23.5	23.6	23.4	23.6	23.4	23.5	23.4	23.5	23.5
10-Jul-05	2	19:00	2	23.8	23.5	23.7	23.8	23.8	24.0	23.9	24.0	23.8	24.0	23.8	24.0	23.9	24.0	24.0
10-Jul-05	2	19:00	4	23.8	23.6	23.8	23.7	23.8	24.1	24.0	24.0	23.9	24.0	24.0	24.1	23.9	24.0	24.0
11-Jul-05	3	7:00	4	23.4	23.1	23.5	23.4	23.5	23.6	23.4	23.6	23.2	23.4	23.5	23.4	23.3	23.4	23.4
11-Jul-05	3	7:00	7	23.3	23.1	23.4	23.1	23.4	23.6	23.5	23.5	23.3	23.3	23.4	23.3	23.3	23.3	23.6
11-Jul-05	3	15:30	3	23.8	23.7	23.9	23.9	24.0	24.0	24.0	23.9	23.9	24.1	23.9	24.0	23.9	24.0	24.0
11-Jul-05	3	15:30	4	23.9	23.7	24.0	24.0	23.9	24.0	24.0	24.0	24.0	24.1	23.9	24.1	23.9	24.0	24.1
12-Jul-05	4	7:00	1	23.4	23.4	23.4	23.6	23.5	23.2	23.5	23.3	23.4	23.5	23.4	23.4	23.5	23.6	23.5
12-Jul-05	4	7:00	4	23.6	23.3	23.1	23.5	23.4	23.3	23.4	23.3	23 6	23.3	23.3	23.6	23.6	23.7	23 6
12-Jul-05	4	15:00	3	24.2	24.1	24.1	24.3	24.2	24.1	23.6	24.1	24.1	24.3	24.2	24.3	24.1	24.2	24.2
12-Jul-05	4	15:00	4	24.4	24.2	24.1	24.3	24.2	24.1	24.2	24.1	24.2	24.3	24.2	24.4	24.2	24.2	24.2
13-Jul-05	5	8:45	4	24.3	24.3	24.3	24.6	24.4	24.3	24.5	24.4	24.4	24.5	24.3	24.4	24.4	24.4	24.4
13-Jul-05	5	8:45	6	24.4	24.4	24.6	24.6	24.5	24.4	24.5	24.5	24.4	24.5	24.3	24.4	24.3	24.3	24.5
13-Jul-05	5	15:00	4	23.6	23.5	23.7	23.9	23.7	23.7	23.7	23.7	23.7	23.8	23.8	24.1	23.8	23.7	23.9
13-Jul-05	5	15:00	8	23.6	23.5	23.8	23.9	23.7	23.7	23.7	23.8	23.7	23.8	23.8	24.0	23.7	23.7	23.9
14-Jul-05	6	8:30	4	23.4	23.3	23.6	23.6	23.4	23.4	23.5	23.4	23.4	23.5	23.5	23.6	23.5	23.4	23.5
14-Jul-05	6	8:30	5	23.4	23.4	23.6	23.6	23.4	23.4	23.5	23.5	23.5	23.6	23.5	23.7	23.4	23.3	23.6
14-Jul-05	6	15:00	2	23.5	23.5	23.6	23.6	23.6	23.6	23.8	23.6	23.7	23.6	23.6	23.8	23.6	23.5	23.7
14-Jul-05	6	15:00	4	23.5	23.5	23.7	23.8	23.6	23.7	23.8	23.6	23.6	23.6	23.6	23.8	23.6	23.5	23.7
15-Jul-05	7	7:00	1	21.7	22.0	22.0	22.1	22.2	21.6	22.1	21.8	22.1	22.1	22.0	22.2	22.1	22.0	21.7
15-Jul-05	7	7:00	2	21.7	22.0	22.0	22.1	22.2	21.7	22.1	21.8	22.1	22.1	22.0	22.2	22.2	22.0	21.8
15-Jul-05	7	7:00	3	21.8	22.0	22.1	22.2	22.2	21.7	22.2	21.9	22.1	22.1	22.1	22.2	22.0	22.0	21.8
15-Jul-05	7	7:00	4	21.8	22.0	22.1	22.2	22.2	21.8	22.2	21.9	22.1	22.1	22.1	22.2	22.1	22.0	21.9
15-Jul-05	7	7:00	5	21.8	22.0	22.1	22.2	22.2	21.7	22.2	21.9	22.1	22.1	22.5	22.2	22.1	22.0	21.9
15-Jul-05	7	7:00	6	21.8	22.0	22.1	22.2	22.3	21.8	22.2	21.9	22.1	22.1	22.1	22.1	22.1	21.9	21.9
15-Jul-05	7	7:00	7	21.8	22.0	22.1	22.2	22.2	21.8	22.2	21.9	22.1	22.1	22.1	22.1	22.1	21.9	21.8
15-Jul-05	7	7:00	8	21.8	22.0	22.1	22.2	22.2	21.8	22.2	21.9	22.1	22.1	22.1	22.1	22.1	21.9	21.9
			Average	**23.0**	**23.1**	**23.2**	**23.2**	**23.2**	**23.0**	**23.2**	**23.1**	**23.2**	**23.2**	**23.2**	**23.2**	**23.2**	**23.2**	**23.1**
			Minimum	21.7	22.0	22.0	22.1	22.2	21.6	22.1	21.8	22.1	22.1	22.0	22.1	22.0	21.9	21.7
			Maximum	24.4	24.4	24.6	24.6	24.5	24.4	24.5	24.5	24.4	24.5	24.3	24.4	24.4	24.4	24.5

Appendix Table 15. Water Chemistry Parameters for 7-d *Pimephales promelas* Exposed to Ahsland Harbor Sediments, July 8-15, 2005.
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
8-Jul-05	0	7:30	1	7.6	6.5	6.4	4.6	4.3	6.3	6.2	6.5	7.4	6.7	6.8	7.1	5.9	5.8	6.4
8-Jul-05	0	7:30	2	7.9	6.1	6.9	6.4	4.6	6.0	5.7	6.3	5.9	6.2	6.9	7.8	6.7	5.9	6.4
8-Jul-05	0	7:30	3	7.8	6.8	5.6	5.3	2.9	6.3	7.5	7.0	7.3	7.5	6.6	7.4	7.3	7.2	6.4
8-Jul-05	0	7:30	4	7.9	6.7	6.5	7.4	4.3	5.8	5.8	6.9	7.8	7.2	7.0	7.8	7.1	7.5	6.5
8-Jul-05	0	7:30	5	7.2	5.9	6.0	5.8	6.6	5.6	6.3	7.6	6.6	7.0	7.9	7.2	6.2	6.5	6.6
8-Jul-05	0	7:30	6	7.3	6.2	5.5	4.3	2.6	5.5	5.7	7.7	6.8	7.2	6.7	7.8	6.2	5.9	7.2
8-Jul-05	0	7:30	7	7.0	6.0	5.9	7.4	5.6	5.3	6.4	6.5	5.1	5.8	7.4	6.9	7.8	6.3	6.6
8-Jul-05	0	7:30	8	7.0	6.1	5.9	3.7	5.5	6.0	7.7	7.4	6.8	6.8	7.7	7.8	8.0	7.5	7.3
8-Jul-05	0	16:30	1	7.5	7.1	6.0	5.4	4.1	5.4	6.9	5.7	6.9	6.2	6.5	6.3	5.0	6.8	5.6
8-Jul-05	0	16:30	4	7.2	6.5	6.4	5.6	5.9	5.4	6.3	5.7	7.3	6.4	6.6	6.6	5.8	7.0	6.1
9-Jul-05	1	9:00	4	6.4	6.3	6.4	6.1	5.9	4.9	4.5	5.6	6.4	5.6	6.6	6.7	4.8	6.3	3.1
9-Jul-05	1	9:00	6	6.2	4.0	4.2	6.2	5.9	4.9	4.2	6.0	4.5	4.4	6.7	5.9	6.9	6.4	3.4
9-Jul-05	1	18:00	4	6.5	6.1	7.0	6.2	6.5	5.7	5.9	6.0	5.1	6.1	6.2	6.0	6.1	6.5	3.5
9-Jul-05	1	18:00	8	6.2	5.2	6.6	5.7	5.8	6.5	6.0	6.2	6.2	6.0	6.6	6.3	6.6	5.1	5.9
10-Jul-05	2	8:45	4	6.5	6.8	6.6	6.4	6.0	3.6	5.9	6.3	6.6	6.3	6.2	5.2	4.0	6.3	3.7
10-Jul-05	2	8:45	5	5.9	4.0	5.8	6.2	5.4	3.7	6.3	6.4	5.9	5.2	6.3	4.2	5.6	6.3	2.5
10-Jul-05	2	19:00	2	6.9	5.8	6.9	6.1	6.1	4.1	4.5	6.5	6.1	6.4	6.6	6.4	5.4	6.5	4.0
10-Jul-05	2	19:00	4	6.8	6.6	6.8	6.3	5.9	4.0	6.3	6.7	6.6	6.5	6.4	6.1	4.0	6.5	4.8
11-Jul-05	3	7:00	4	6.6	6.7	6.7	5.0	5.6	5.0	5.9	6.0	6.1	6.4	6.3	5.0	4.6	6.1	5.0
11-Jul-05	3	7:00	7	6.6	4.1	6.3	4.8	6.5	4.7	6.1	6.3	6.4	6.1	6.5	5.8	6.1	6.0	4.7
11-Jul-05	3	15:30	3	6.4	6.6	6.6	6.5	5.3	5.7	6.6	6.5	6.1	6.4	6.8	6.4	4.4	6.4	4.3
11-Jul-05	3	15:30	4	6.4	6.6	6.5	4.1	5.4	4.2	6.0	6.1	6.4	6.1	6.6	6.1	4.1	6.6	6.4
12-Jul-05	4	7:00	1	6.4	5.8	5.6	5.5	4.5	6.8	6.5	6.1	6.4	6.6	5.7	6.4	6.1	6.1	5.4
12-Jul-05	4	7:00	4	6.5	6.1	5.4	5.9	4.9	6.4	6.6	6.4	6.2	7.0	6.7	6.6	4.9	6.5	6.2
12-Jul-05	4	15:00	3	6.2	6.4	6.3	5.9	3.4	6.2	6.4	6.5	6.5	6.3	5.3	6.1	3.6	6.2	5.1
12-Jul-05	4	15:00	4	6.4	5.5	6.2	5.6	3.2	6.1	6.2	6.4	6.1	6.3	5.6	5.7	4.8	6.1	6.0
13-Jul-05	5	8:45	4	5.8	5.9	6.7	5.8	5.2	6.8	6.4	6.4	6.1	6.2	5.5	5.9	4.9	5.4	5.6
13-Jul-05	5	8:45	6	4.1	5.1	4.5	3.4	3.6	4.6	4.1	5.2	5.6	4.5	6.3	6.6	6.3	6.2	4.8
13-Jul-05	5	15:00	4	6.3	6.4	6.5	4.2	5.8	6.4	6.6	6.3	5.9	6.3	6.0	4.9	5.2	6.4	5.5
13-Jul-05	5	15:00	8	5.1	5.8	6.3	5.1	5.3	6.4	6.4	6.4	5.3	6.2	6.4	6.2	6.3	6.3	5.7
14-Jul-05	6	8:30	4	6.7	6.1	6.0	5.5	4.7	6.3	6.3	6.1	5.9	5.4	5.9	4.1	5.1	5.8	6.0
14-Jul-05	6	8:30	5	5.5	5.4	4.0	5.6	5.8	5.6	3.3	5.3	5.4	5.1	6.0	4.1	5.7	6.2	5.3
14-Jul-05	6	15:00	2	7.2	6.1	6.5	4.6	5.4	6.2	4.4	6.5	5.6	6.0	6.4	6.3	4.6	5.6	6.2
14-Jul-05	6	15:00	4	6.8	6.3	6.3	4.1	4.6	5.2	5.6	6.3	5.9	6.1	6.3	6.2	5.0	5.7	6.3
15-Jul-05	7	7:00	1	7.0	7.0	6.8	5.3	5.0	6.2	6.5	6.5	6.5	6.4	6.7	5.6	3.8	6.3	4.3
15-Jul-05	7	7:00	2	7.2	6.8	6.6	4.0	5.9	6.3	4.3	6.6	6.6	5.8	6.0	5.6	3.7	6.3	5.4
15-Jul-05	7	7:00	3	7.2	6.7	6.6	5.9	6.0	5.6	6.4	6.5	6.4	6.7	6.7	6.3	5.5	6.1	3.9
15-Jul-05	7	7:00	4	7.6	7.0	6.5	3.8	6.4	5.6	6.5	6.7	6.1	6.0	6.5	6.2	5.1	6.0	5.9
15-Jul-05	7	7:00	5	6.4	6.6	6.6	4.4	6.5	6.4	4.6	5.8	6.2	5.1	6.1	5.5	5.4	6.4	5.1
15-Jul-05	7	7:00	6	7.0	5.4	6.0	5.1	5.6	4.3	4.8	5.9	5.5	4.5	6.3	6.0	6.1	6.7	5.6
15-Jul-05	7	7:00	7	6.8	6.5	6.5	6.0	6.1	6.7	6.0	6.4	6.5	5.7	6.5	6.2	6.1	5.8	6.0
15-Jul-05	7	7:00	8	6.6	6.9	6.6	6.1	5.1	7.0	6.9	6.4	5.8	6.0	6.7	6.4	6.8	6.6	4.7
			Average	**6.7**	**6.1**	**6.2**	**5.4**	**5.2**	**5.6**	**5.9**	**6.3**	**6.2**	**6.1**	**6.5**	**6.2**	**5.6**	**6.3**	**5.4**
			Minimum	4.1	4.0	4.0	3.4	2.6	3.6	3.3	5.2	4.5	4.4	5.3	4.1	3.6	5.1	2.5
			Maximum	7.9	7.1	7.0	7.4	6.6	7.0	7.7	7.7	7.8	7.5	7.9	7.8	8.0	7.5	7.3

Appendix Table 15. Water Chemistry Parameters for 7-d *Pimephales promelas* Exposed to Ahsland Harbor Sediments, July 8-15, 2005.
pH

Date	Day	Time	Rep	Sand	ɔrm Sedime*N*. Bearskir		SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
8-Jul-05	0	7:30	1	8.11	6.66	7.12	7.02	7.71	7.31	7.32	7.45	7.92	7.61	7.47	7.39	7.64	7.90	7.34
8-Jul-05	0	7:30	4	8.12	7.19	7.19	7.65	7.43	7.28	7.38	7.44	7.91	7.67	7.49	7.57	7.61	7.87	7.36
8-Jul-05	0	7:30	5	8.12	6.58	7.54	7.82	7.86	7.22	7.39	7.74	7.87	7.66	7.61	7.49	7.63	7.83	7.33
8-Jul-05	0	7:30	8	8.12	6.68	7.58	6.97	7.67	7.31	7.37	7.95	7.93	7.61	7.56	7.53	7.64	7.81	7.38
11-Jul-05	3	7:00	4	8.09	8.00	8.00	7.56	7.72	7.41	7.72	7.73	7.94	7.80	8.06	7.76	7.48	7.92	7.25
11-Jul-05	3	7:00	7	8.10	7.91	8.03	7.05	8.01	7.27	7.90	7.93	7.75	7.60	7.96	7.62	7.81	7.87	7.44
15-Jul-05	7	7:00	1	8.70	8.14	8.06	7.60	7.66	7.70	7.96	7.92	7.88	7.87	7.84	7.85	7.53	8.03	7.56
15-Jul-05	7	7:00	4	8.38	8.06	8.06	7.41	7.70	7.58	8.01	8.10	7.73	7.74	7.87	7.82	7.55	7.82	7.79
15-Jul-05	7	7:00	5	7.91	7.98	8.09	7.46	8.05	7.79	7.60	7.78	7.73	7.59	7.85	7.76	7.61	8.01	7.62
15-Jul-05	7	7:00	8	7.95	8.21	8.10	7.70	7.75	8.04	8.10	7.88	7.71	7.83	8.02	7.84	7.90	8.02	7.61
			Average	**8.16**	**7.54**	**7.78**	**7.42**	**7.76**	**7.49**	**7.68**	**7.79**	**7.84**	**7.70**	**7.77**	**7.66**	**7.64**	**7.91**	**7.47**
			Minimum	7.91	6.58	7.12	6.97	7.43	7.22	7.32	7.44	7.71	7.59	7.47	7.39	7.48	7.81	7.25
			Maximum	8.70	8.21	8.10	7.82	8.05	8.04	8.10	8.10	7.94	7.87	8.06	7.85	7.90	8.03	7.79

Appendix Table 15. Water Chemistry Parameters for 7-d *Pimephales promelas* Exposed to Ahsland Harbor Sediments, July 8-15, 2005.
Conductivity (µmhos/cm)

Date	Day	Time	Rep	Sand	Form Sedimen	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
8-Jul-05	0	7:30	1	124	175	119	126	138	111	128	117	110	120	119	120	120	118	111
8-Jul-05	0	7:30	8	122	160	119	123	136	110	122	119	109	120	117	119	119	119	116
15-Jul-05	7	7:00	1	179	165	150	157	172	153	157	157	158	156	161	162	168	158	156
15-Jul-05	7	7:00	8	151	165	150	156	172	152	156	156	158	156	159	158	159	156	157
			Average	**144**	**166**	**134**	**140**	**154**	**131**	**141**	**137**	**134**	**138**	**139**	**140**	**141**	**138**	**135**
			Minimum	122	160	119	123	136	110	122	117	109	120	117	119	119	118	111
			Maximum	179	175	150	157	172	153	157	157	158	156	161	162	168	158	157

Appendix Table 15. Water Chemistry Parameters for 7-d *Pimephales promelas* Exposed to Ahsland Harbor Sediments, July 8 15, 2005.
Ammonia (ppm)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
8-Jul-05	0	7:30	1	<0.063	<0.063	0.169	0.116	0.929	<0.063	0.619	0.181	<0.063	<0.063	<0.063	<0.063	<0.063	<0 063	<0.063
8-Jul-05	0	7:30	8	<0.063	<0.063	0.114	0.116	0.898	<0.063	0.137	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
15-Jul-05	7	7:00	1	0.081	0.066	0.26	0.312	2.245	0.299	0.544	0.159	0.406	0.33	0.348	0.209	0.487	0.282	0.213
15-Jul-05	7	7:00	8	0.09	<0.063	0.277	0.294	2.379	0.321	0.528	0.157	0.413	0.42	0.157	0.217	0.321	0.258	0.234
			Average	**<0.063**	**<0.063**	**0.205**	**0.210**	**1.613**	**0.171**	**0.457**	**0.132**	**0.221**	**0.204**	**0.142**	**0.120**	**0.218**	**0.151**	**0.128**
			Minimum	<0.063	<0.063	0.114	0.116	0.898	<0.063	0.137	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
			Maximum	0.09	0.066	0.277	0.312	2.379	0.321	0.619	0.181	0.413	0.42	0.348	0.217	0.487	0.282	0.234

Appendix Table 15. Water Chemistry Parameters for 7-d *Pimephales promelas* Exposed to Ahsland Harbor Sediments, July 8-15, 2005.
DOC (ppm)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
8-Jul-05	0	7:30	1	2.4	*	4.3	*	4.6	24.9	4.6	4.4	21.3	6.2	15.3	8.1	6.2	9.6	14.4
8-Jul-05	0	7:30	8	2.8	7.1	3	4.9	3.8	22.6	3.6	3.6	29.4	5.7	11	8.1	6.3	5.2	20.3
15-Jul-05	7	7:00	1	6.6	2.6	2.6	2.6	2.9	3.2	2.3	2.3	3.5	6	3.2	2.5	3.5	3	3.3
15-Jul-05	7	7:00	8	2.4	2.8	2.6	2.6	2.9	3.2	2.1	2.1	3	2.6	2.6	2.6	3.1	16.3	3.5
			Average	**3.6**	**4.2**	**3.1**	**3.4**	**3.6**	**13.5**	**3.2**	**3.1**	**14.3**	**5.1**	**8.0**	**5.3**	**4.8**	**8.5**	**10.4**
			Minimum	2.4	2.6	2.6	2.6	2.9	3.2	2.1	2.1	3	2.6	2.6	2.5	3.1	3	3.3
			Maximum	6.6	7.1	4.3	4.9	4.6	24.9	4.6	4.4	29.4	6.2	15.3	8.1	6.3	16.3	20.3

* Sample lost, laboratory accident

Appendix Table 15. Water Chemistry Parameters for 7-d *Pimephales promelas* Exposed to Ashland Harbor Sediments, July 8-15, 2005.
Hardness (mg/L as CaCO3)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
8-Jul-05	0	7:30	3	48.8	47.2	48.8	54	57.6	51.6	48	50.8	54.8	47.2	62.8	51.6	53.2	47.2	57.6
8-Jul-05	0	7:30	7	48.8	38.8	48.4	48	55.2	54.8	53.6	49.6	62	56	53.6	52	48.8	51.2	50.4
15-Jul-05	7	7:00	3	46.8	54.8	49.6	53.2	56.4	51.6	51.2	52.4	51.6	51.6	53.2	53.2	57.6	51.2	54
15-Jul-05	7	7:00	7	52.8	58	50	53.2	55.6	49.2	52.4	52	53.2	52.8	52.8	55.2	52.8	508	51.2
			Average	**49.3**	**49.7**	**49.2**	**52.1**	**56.2**	**51.8**	**51.3**	**51.2**	**55.4**	**51.9**	**55.6**	**53.0**	**53.1**	**164.4**	**53.3**
			Minimum	46.8	38.8	48.4	48	55.2	49.2	48	49.6	51.6	47.2	52.8	51.6	48.8	47.2	50.4
			Maximum	52.8	58	50	54	57.6	54.8	53.6	52.4	62	56	62.8	55.2	57.6	508	57.6

Appendix Table 15. Water Chemistry Parameters for 7-d *Pimephales promelas* Exposed to Ahsland Harbor Sediments, July 8-15, 2005.
Alkalinity (mg/L as CaCO3)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
8-Jul-05	0	7:30	2	50.8	47.2	49.2	51.6	59.2	48.8	55.6	51.2	50.4	48.8	47.2	50	52.4	50	52.4
8-Jul-05	0	7:30	6	49.2	44.4	50.4	56.4	65.6	47.6	55.6	48.4	48	48.8	53.2	49.2	52.4	48.4	49.2
15-Jul-05	7	7:00	2	53.2	55.6	50.4	56.8	60.8	52	57.2	54	55.6	54	55.6	55.2	58	55.2	54.4
15-Jul-05	7	7:00	6	54	55.6	48.4	54.4	61.6	52.8	57.2	52.4	55.6	54.4	56.8	55.6	54.8	53.2	54
			Average	**51.8**	**50.7**	**49.6**	**54.8**	**61.8**	**50.3**	**56.4**	**51.5**	**52.4**	**51.5**	**53.2**	**52.5**	**54.4**	**51.7**	**52.5**
			Minimum	49.2	44.4	48.4	51.6	59.2	47.6	55.6	48.4	48	48.8	47.2	49.2	52.4	48.4	49.2
			Maximum	54	55.6	50.4	56.8	65.6	52.8	57.2	54	55.6	54.4	56.8	55.6	58	55.2	54.4

APPENDIX 16

Survival and Growth of *Pimephales promelas* following 7-d Exposure to Ashland Harbor Sediment and UV Light, 27 January 2006 to 3 February 2006

Appendix Table 16. Survival and Growth of *Pimephales promelas* following 7-d Exposure to Ashland Harbor Sediment and UV Light, 27 January 2006 to

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Corrected Mortality (%)	Standard Deviation	Total Dry Wt (mg)	Individual Dry Wt (mg)	Average Dry Wt (mg)	Standard Deviation
A	Silica Sand	1	8	80.0			3.4	0.43		
A	Silica Sand	2	10	100.0			5.1	0.51		
A	Silica Sand	3	8	80.0			4.2	0.53		
A	Silica Sand	4	9	90.0			4.3	0.48		
A	Silica Sand	5	7	70.0			4.2	0.60		
A	Silica Sand	6	6	60.0			4.2	0.70		
A	Silica Sand	7	9	90.0			4.1	0.46		
A	Silica Sand	8	8	80.0		1.2	5.0	0.63	0.54	0.09
B	Form. Sediment	1	7	70.0			3.7	0.53		
B	Form. Sediment	2	7	70.0			4.0	0.57		
B	Form. Sediment	3	7	70.0			4.2	0.60		
B	Form. Sediment	4	4	40.0			2.0	0.50		
B	Form. Sediment	5	9	90.0			5.0	0.56		
B	Form. Sediment	6	10	100.0			6.6	0.66		
B	Form. Sediment	7	9	90.0			4.3	0.48		
B	Form. Sediment	8	6	60.0		1.9	3.9	0.65	0.57	0.07
C	W. Bearskin	1	9	90.0			4.3	0.48		
C	W. Bearskin	2	9	90.0			4.9	0.54		
C	W. Bearskin	3	9	90.0			5.3	0.59		
C	W. Bearskin	4	7	70.0			6.1	0.87		
C	W. Bearskin	5	9	90.0			5.7	0.63		
C	W. Bearskin	6	10	100.0			3.7	0.37		
C	W. Bearskin	7	9	90.0			4.3	0.48		
C	W. Bearskin	8	8	80.0		0.9	5.9	0.74	0.59	0.16
D	SQT9	1	8	80.0			6.8	0.85		
D	SQT9	2	9	90.0			6.7	0.74		
D	SQT9	3	10	100.0			5.2	0.52		
D	SQT9	4	8	80.0			5.2	0.65		
D	SQT9	5	5	50.0			3.4	0.68		
D	SQT9	6	10	100.0			6.2	0.62		
D	SQT9	7	7	70.0			4.8	0.69		
D	SQT9	8	9	90.0		1.7	5.3	0.59	0.67	0.10
E	SQT13	1	6	60.0			4.4	0.73		
E	SQT13	2	8	80.0			5.2	0.65		
E	SQT13	3	9	90.0			4.3	0.48		
E	SQT13	4	7	70.0			2.5	0.36		
E	SQT13	5	10	100.0			4.1	0.41		
E	SQT13	6	8	80.0			5.3	0.66		
E	SQT13	7	7	70.0			2.5	0.36		
E	SQT13	8	8	80.0		1.2	5.3	0.66	0.54	0.15
F	SQT11	1	7	70.0			4.8	0.69		
F	SQT11	2	7	70.0			4.4	0.63		
F	SQT11	3	8	80.0			6.5	0.81		
F	SQT11	4	6	60.0			4.4	0.73		
F	SQT11	5	8	80.0			4.3	0.54		
F	SQT11	6	8	80.0			4.4	0.55		
F	SQT11	7	7	70.0			3.0	0.43		
F	SQT11	8	8	80.0		0.7	6.2	0.78	0.64	0.13
G	SQT14	1	8	80.0			5.7	0.71		
G	SQT14	2	6	60.0			3.9	0.65		
G	SQT14	3	11	110.0			6.7	0.61		
G	SQT14	4	7	70.0			5.0	0.71		
G	SQT14	5	9	90.0			5.7	0.63		
G	SQT14	6	6	60.0			4.1	0.68		
G	SQT14	7	7	70.0			5.0	0.71		
G	SQT14	8	11	110.0		2.0	7.3	0.66	0.67	0.04
H	SQT6	1	8	80.0	100.0		4.0	0.50		
H	SQT6	2	8	80.0	100.0		4.5	0.56		
H	SQT6	3	10	100.0	100.2		7.1	0.71		
H	SQT6	4	8	80.0	100.0		5.1	0.64		

Treatment	Test Sediment	Rep	Number of Survivors (10)	Average Survival (%)	Corrected Mortality (%)	Standard Deviation	Total Dry Wt (mg)	Individual Dry Wt (mg)	Average Dry Wt (mg)	Standard Deviation
H	SQT6	5	5	50.0	99.6		3.4	0.68		
H	SQT6	6	6	60.0	99.7		4.6	0.77		
H	SQT6	7	10	100.0	100.2		5.6	0.56		
H	SQT6	8	7	70.0	99.9	1.8	4.0	0.57	0.62	0.09
I	SQT2	1	8	80.0	100.0		4.8	0.60		
I	SQT2	2	6	60.0	99.7		3.7	0.62		
I	SQT2	3	9	90.0	100.1		5.6	0.62		
I	SQT2	4	5	50.0	99.6		2.4	0.48		
I	SQT2	5	9	90.0	100.1		5.6	0.62		
I	SQT2	6	9	90.0	100.1		4.0	0.44		
I	SQT2	7	5	50.0	99.6		2.9	0.58		
I	SQT2	8	9	90.0	100.1	1.9	4.5	0.50	0.56	0.07
J	SQT7	1	3	30.0	99.4		1.7	0.57		
J	SQT7	2	7	70.0	99.9		3.7	0.53		
J	SQT7	3	5	50.0	99.6		2.3	0.46		
J	SQT7	4	0	0.0	99.0					
J	SQT7	5	4	40.0	99.5		2.9	0.73		
J	SQT7	6	5	50.0	99.6		2.8	0.56		
J	SQT7	7	2	20.0	99.2		2.0	1.00		
J	SQT7	8	5	50.0	99.6	2.2	2.8	0.56	0.63	0.18
K	SQT4	1	5	50.0	99.6		2.3	0.46		
K	SQT4	2	7	70.0	99.9		3.7	0.53		
K	SQT4	3	6	60.0	99.7		3.7	0.62		
K	SQT4	4	4	40.0	99.5		2.8	0.70		
K	SQT4	5	8	80.0	100.0		3.8	0.48		
K	SQT4	6	6	60.0	99.7		3.0	0.50		
K	SQT4	7	8	80.0	100.0		3.1	0.39		
K	SQT4	8	5	50.0	99.6	1.5	1.8	0.36	0.50	0.11
L	SQT3	1	10	100.0	100.2		3.2	0.32		
L	SQT3	2	6	60.0	99.7		3.1	0.52		
L	SQT3	3	6	60.0	99.7		1.7	0.28		
L	SQT3	4	10	100.0	100.2		5.6	0.56		
L	SQT3	5	2	20.0	99.2		0.9	0.45		
L	SQT3	6	8	80.0	100.0		4.4	0.55		
L	SQT3	7	4	40.0	99.5		1.6	0.40		
L	SQT3	8	9	90.0	100.1	2.9	5.0	0.56	0.45	0.11
M	SQT5	1	4	40.0	99.5		2.4	0.60		
M	SQT5	2	6	60.0	99.7		2.9	0.48		
M	SQT5	3	5	50.0	99.6		3.9	0.78		
M	SQT5	4	7	70.0	99.9		3.9	0.56		
M	SQT5	5	5	50.0	99.6		3.0	0.60		
M	SQT5	6	6	60.0	99.7		3.0	0.50		
M	SQT5	7	6	60.0	99.7		3.6	0.60		
M	SQT5	8	9	90.0	100.1	1.5	4.6	0.51	0.58	0.09
N	SQT 1	1	0	0.0	99.0					
N	SQT 1	2	0	0.0	99.0					
N	SQT 1	3	0	0.0	99.0					
N	SQT 1	4	0	0.0	99.0					
N	SQT 1	5	0	0.0	99.0					
N	SQT 1	6	0	0.0	99.0					
N	SQT 1	7	0	0.0	99.0					
N	SQT 1	8	0	0.0	99.0	0.0				
O	SQT8	1	8	80.0	100.0		5.0	0.63		
O	SQT8	2	6	60.0	99.7		4.3	0.72		
O	SQT8	3	8	80.0	100.0		3.9	0.49		
O	SQT8	4	6	60.0	99.7		3.5	0.58		
O	SQT8	5	7	70.0	99.9		4.7	0.67		
O	SQT8	6	5	50.0	99.6		3.3	0.66		
O	SQT8	7	9	90.0	100.1		5.8	0.64		
O	SQT8	8	8	80.0	100.0	1.4	4.2	0.53	0.61	0.08

APPENDIX 17

Water Chemistry of *Pimephales promelas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 3 February 2006

Appendix Table 17. Water Chemistry Parameters fo *Pimephales promelas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 2 February 2006.
Temperature (° C)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
27-Jan-06	0	7:00	1	23.2	23.0	23.3	23.2	23.3	23.3	23.0	23.2	23.1	23.2	23.1	23.3	23.2	23.2	23.1
27-Jan-06	0	7:00	2	23.4	23.1	23.4	23.5	23.3	23.4	23.1	23.3	23.1	23.2	23.4	23.3	23.1	23.2	23.2
27-Jan-06	0	7:00	3	23.4	23.0	23.4	23.3	23.3	23.3	23.1	23.3	23.1	23.3	23.1	23.2	23.1	23.3	23.3
27-Jan-06	0	7:00	4	23.4	23.0	23.4	23.4	23.3	23.4	23.0	23.4	23.1	23.2	23.1	23.2	23.2	23.3	23.3
27-Jan-06	0	7:00	5	23.3	22.8	23.4	23.2	23.3	23.4	23.3	23.2	23.3	23.4	23.1	23.2	23.1	23.1	23.3
27-Jan-06	0	7:00	6	23.3	23.0	23.3	23.3	23.3	23.4	23.3	23.3	23.3	23.3	23.2	23.0	23.3	23.2	23.3
27-Jan-06	0	7:00	7	23.7	22.7	23.4	23.2	23.2	23.4	23.3	23.2	23.4	23.3	23.2	23.3	23.2	23.3	23.3
27-Jan-06	0	7:00	8	23.3	22.8	23.3	23.4	23.2	23.3	23.3	23.2	23.3	23.3	23.2	23.2	23.2	23.3	23.4
28-Jan-06	1	8:15	4	23.3	23.1	23.5	23.3	22.3	23.5	23.1	23.3	23.4	23.3	23.0	23.0	23.0	23.3	23.4
28-Jan-06	1	8:15	6	23.3	23.0	23.6	23.3	22.3	23.5	23.1	23.7	23.4	23.5	23.3	23.2	23.2	23.4	23.5
28-Jan-06	1	15:45	4	23.5	22.9	23.3	23.5	23.2	23.4	23.5	23.4	23.2	23.4	23.1	23.1	23.1	23.4	23.4
28-Jan-06	1	15:45	8	23.5	23.0	23.6	23.5	23.0	23.5	23.5	23.5	23.5	23.4	23.2	23.2	23.3	23.4	23.4
29-Jan-06	2	8:45	4	23.3	23.3	23.5	23.2	23.1	23.1	23.3	23.2	23.0	23.4	23.0	23.2	23.1	23.3	23.3
29-Jan-06	2	8:45	5	23.4	23.3	23.6	23.3	23.2	23.2	23.3	23.4	23.4	23.6	23.0	23.4	23.0	23.5	23.1
29-Jan-06	2	17:45	2	23.3	23.3	23.4	23.2	23.1	22.9	22.8	23.0	23.2	23.1	23.1	23.2	23.3	23.3	23.3
29-Jan-06	2	17:45	4	23.2	23.3	23.4	23.3	23.2	22.9	23.0	23.2	23.3	23.3	23.1	23.2	23.4	23.3	23.4
30-Jan-06	3	9:00	4	23.1	23.5	23.2	23.3	23.0	23.4	23.1	23.3	23.5	23.3	23.4	23.2	23.4	23.3	23.4
30-Jan-06	3	9:00	7	23.0	23.5	23.2	23.4	23.1	23.4	23.1	23.3	23.6	23.4	23.3	23.2	23.4	23.4	23.2
30-Jan-06	3	15:10	3	23.6	23.8	23.7	23.6	23.8	23.6	23.0	23.7	24.0	23.7	23.5	23.6	23.5	23.6	23.6
30-Jan-06	3	15:10	4	23.7	23.8	23.8	23.8	23.8	23.8	23.7	23.7	24.0	23.8	23.5	23.7	23.6	23.6	23.6
31-Jan-06	4	8:30	1	23.2	23.4	23.1	23.2	23.0	23.0	23.2	23.3	23.4	23.3	23.0	23.2	22.8	23.4	23.4
31-Jan-06	4	8:30	4	23.3	23.2	23.1	23.3	23.1	23.2	23.3	23.4	23.0	23.3	23.0	23.3	23.2	23.5	23.4
31-Jan-06	4	15:30	3	23.2	23.2	23.0	23.6	23.8	23.2	23.3	23.3	23.2	23.3	23.3	23.5	22.5	23.1	23.5
31-Jan-06	4	15:30	4	23.3	23.2	23.3	23.7	23.5	23.2	23.5	23.3	23.5	23.3	23.3	23.6	22.5	23.3	23.5
1-Feb-06	5	8:30	4	23.2	23.4	23.5	22.9	23.6	23.2	23.3	23.3	23.2	23.4	23.0	23.3	22.8	22.9	23.4
1-Feb-06	5	8:30	6	23.3	23.2	23.4	23.1	23.5	23.2	23.4	23.2	23.4	23.5	23.1	23.3	23.3	23.4	23.4
1-Feb-06	5	15:00	4	23.2	23.7	23.6	23.7	23.3	23.3	23.5	23.5	23.1	23.4	23.2	23.6	23.0	23.4	23.5
1-Feb-06	5	15:00	8	23.2	23.5	23.6	23.6	23.5	23.5	23.4	23.2	23.6	23.5	23.2	23.6	23.2	23.3	23.0
2-Feb-06	6	8:20	4	23.0	23.7	23.5	23.7	22.6	23.2	23.4	23.7	23.5	23.5	23.3	23.4	23.4	23.5	23.5
2-Feb-06	6	8:20	5	23.1	23.6	23.6	23.7	23.7	23.4	23.5	23.7	23.5	23.8	23.3	23.6	23.5	23.5	23.5
2-Feb-06	6	8:20	2	23.0	23.7	23.1	22.9	23.6	23.0	23.3	23.3	23.5	23.1	23.2	23.2	23.2	23.4	23.6
2-Feb-06	6	8:20	4	23.1	23.3	23.3	23.1	23.4	23.2	23.3	23.3	23.6	23.3	23.3	23.3	23.2	23.5	23.5
3-Feb-06	7	7:00	1	21.5	23.4	23.2	23.3	23.5	23.4	23.2	23.3	23.3	23.3	23.0	23.3	23.0	23.1	23.3
3-Feb-06	7	7:00	2	23.2	23.5	23.4	23.4	23.5	23.4	23.2	23.3	23.3	23.3	23.0	23.4	23.1	23.3	23.2
3-Feb-06	7	7:00	3	23.1	23.4	23.4	23.4	23.6	23.4	23.4	23.4	23.4	23.3	23.1	23.5	23.2	23.3	23.2
3-Feb-06	7	7:00	4	23.2	23.5	23.4	23.4	23.6	23.4	23.4	23.5	23.4	23.3	23.1	23.4	23.2	23.4	23.3
3-Feb-06	7	7:00	5	23.1	23.4	23.4	23.5	23.5	23.3	23.4	23.5	23.5	23.5	23.2	23.3	23.3	23.2	23.2
3-Feb-06	7	7:00	6	23.1	23.5	23.3	23.5	23.5	23.4	23.4	23.5	23.4	23.4	23.0	23.4	23.2	23.4	23.2
3-Feb-06	7	7:00	7	23.1	23.4	23.3	23.4	23.5	23.3	23.3	23.5	23.5	23.4	23.1	23.4	23.1	23.2	23.2
3-Feb-06	7	7:00	8	23.1	23.4	23.4	23.4	23.4	23.4	23.4	23.5	23.6	23.4	23.0	23.4	23.2	23.3	23.3
			Average	**23.2**	**23.3**	**23.4**	**23.4**	**23.3**	**23.3**	**23.3**	**23.4**	**23.4**	**23.4**	**23.2**	**23.3**	**23.2**	**23.3**	**23.3**
			Minimum	21.5	22.7	23.0	22.9	22.3	22.9	22.8	23.0	23.0	23.1	23.0	23.0	22.5	22.9	23.0
			Maximum	23.7	23.8	23.8	23.8	23.8	23.8	23.7	23.7	24.0	23.8	23.5	23.7	23.6	23.6	23.6

Appendix Table 17. Water Chemistry Parameters fo *Pimephales promelas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 2 February 2006.
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
27-Jan-06	0	7:00	1	7.5	7.1	6.9	3.5	3.9	7.9	4.4	7.3	3.0	8.0	6.1	7.9	7.6	5.9	7.5
27-Jan-06	0	7:00	2	7.7	7.3	6.2	5.6	3.3	7.8	5.2	8.2	3.2	7.6	6.1	8.3	7.6	6.2	6.0
27-Jan-06	0	7:00	3	7.9	7.2	6.8	4.8	4.8	7.0	4.9	6.5	4.4	8.1	6.1	7.2	7.7	6.1	8.0
27-Jan-06	0	7:00	4	7.8	7.7	6.5	4.8	3.6	6.3	6.8	7.2	3.2	7.4	6.5	6.0	7.5	5.4	7.3
27-Jan-06	0	7:00	5	8.2	7.3	7.1	4.4	3.9	5.8	7.7	7.0	4.1	7.5	6.9	8.1	8.2	6.8	3.7
27-Jan-06	0	7:00	6	7.5	8.3	7.1	4.4	5.2	5.4	5.6	7.4	4.7	7.0	8.3	5.2	5.7	7.7	5.4
27-Jan-06	0	7:00	7	7.6	7.3	6.8	4.5	4.3	6.0	7.3	7.8	7.7	8.0	8.2	7.7	6.5	7.7	6.5
27-Jan-06	0	7:00	8	7.5	7.6	7.2	6.4	4.2	6.6	7.1	7.8	6.2	7.2	8.2	7.7	5.3	7.2	7.5
28-Jan-06	1	8:15	4	7.5	6.7	8.4	8.9	8.2	6.4	8.6	6.8	6.6	7.3	6.7	8.2	8.9	8.0	8.5
28-Jan-06	1	8:15	6	7.5	7.2	7.0	8.2	4.8	6.6	6.9	7.8	6.5	7.4	7.3	8.0	8.5	8.3	8.4
28-Jan-06	1	15:45	4	8.2	5.6	6.4	6.9	7.9	5.6	7.9	7.6	8.8	5.9	7.5	9.1	8.0	7.5	8.2
28-Jan-06	1	15:45	8	8.3	4.6	7.8	6.8	5.6	4.9	6.7	8.1	7.4	7.2	7.8	8.1	8.1	8.0	8.3
29-Jan-06	2	8:45	4	7.3	4.2	5.8	8.2	8.0	4.7	7.1	8.7	8.4	7.0	5.2	6.5	8.9	7.2	8.5
29-Jan-06	2	8:45	5	7.9	6.7	6.5	6.5	6.9	4.5	6.0	5.9	8.2	8.3	5.7	7.4	8.8	7.8	7.2
29-Jan-06	2	17:45	2	6.2	6.6	5.0	7.7	7.8	8.5	7.5	8.9	9.0	7.9	7.6	7.9	5.0	5.7	7.2
29-Jan-06	2	17:45	4	5.7	6.7	5.0	7.8	7.6	6.7	6.8	7.8	8.3	7.4	7.0	7.8	4.5	5.6	7.2
30-Jan-06	3	9:00	4	7.3	5.2	5.0	7.0	6.7	6.4	8.0	7.3	6.4	7.7	7.0	6.8	5.9	7.3	6.8
30-Jan-06	3	9:00	7	7.3	4.9	4.7	6.7	4.2	4.1	7.2	5.1	7.3	7.7	8.0	4.4	7.5	8.1	7.0
30-Jan-06	3	15:10	3	4.6	7.3	4.9	5.9	8.1	5.3	4.4	5.3	7.0	6.5	7.6	5.8	7.1	7.9	7.8
30-Jan-06	3	15:10	4	6.7	7.3	5.1	7.8	7.6	4.9	7.3	5.0	7.1	8.0	7.6	6.4	7.0	7.9	8.1
31-Jan-06	4	8:30	1	4.1	4.2	7.1	5.2	4.2	5.8	2.9	7.7	5.0	6.1	5.6	6.2	7.8	5.4	6.7
31-Jan-06	4	8:30	4	6.0	4.3	5.8	6.1	5.6	7.0	5.0	7.0	6.1	7.1	4.0	6.6	7.0	6.6	7.0
31-Jan-06	4	15:30	3	3.6	7.2	8.2	6.1	6.8	6.9	5.0	6.3	6.1	6.8	6.7	6.5	7.8	7.3	6.9
31-Jan-06	4	15:30	4	6.9	7.1	6.7	6.5	7.3	6.8	6.4	6.3	6.6	6.2	5.8	6.6	6.8	6.4	6.8
1-Feb-06	5	8:30	4	5.8	6.7	4.8	5.8	6.2	6.8	5.4	5.7	5.9	4.5	4.4	5.0	6.4	6.0	6.2
1-Feb-06	5	8:30	6	6.1	5.9	5.2	6.3	6.4	7.4	3.4	4.1	4.7	6.3	5.2	6.1	6.4	6.6	6.5
1-Feb-06	5	15:00	4	6.6	6.2	5.0	5.5	6.8	6.7	6.8	5.6	7.5	6.1	6.7	6.1	7.4	6.9	7.4
1-Feb-06	5	15:00	8	6.5	3.8	4.8	5.2	7.1	7.3	2.5	7.3	7.8	7.5	5.6	6.7	7.7	8.1	7.3
2-Feb-06	6	8:20	4	5.1	5.5	4.8	6.1	6.8	6.2	5.4	6.3	6.0	4.3	4.7	5.7	7.4	7.0	7.2
2-Feb-06	6	8:20	5	5.3	3.6	5.5	6.0	6.7	5.6	4.3	5.7	3.7	6.2	3.7	6.6	7.2	7.0	6.5
2-Feb-06	6	8:20	2	6.0	5.5	6.2	5.2	5.9	6.9	6.0	6.4	6.3	6.1	4.6	6.0	6.3	5.7	4.6
2-Feb-06	6	8:20	4	5.8	5.1	4.9	6.0	6.3	6.0	5.9	6.4	6.0	5.3	5.9	6.0	6.9	6.0	4.1
3-Feb-06	7	7:00	1	3.5	3.5	6.4	5.7	6.4	6.3	4.6	4.7	4.7	6.4	6.9	7.6	5.8	6.7	7.2
3-Feb-06	7	7:00	2	4.0	3.8	6.0	5.7	6.2	6.8	4.5	4.8	6.3	6.5	5.9	5.9	5.6	6.0	6.8
3-Feb-06	7	7:00	3	3.8	4.5	4.8	5.4	6.4	6.3	5.6	4.3	6.0	6.6	4.7	6.3	6.0	6.4	6.1
3-Feb-06	7	7:00	4	4.4	4.8	3.6	5.6	6.2	6.4	6.3	4.8	6.2	6.5	4.9	6.3	6.1	6.7	5.8
3-Feb-06	7	7:00	5	4.5	3.8	4.5	6.0	5.7	4.5	6.8	5.6	4.9	6.6	6.1	6.4	6.5	6.6	6.2
3-Feb-06	7	7:00	6	4.2	4.2	5.5	6.3	5.9	6.1	4.7	6.1	5.6	6.2	4.8	6.6	6.3	6.7	6.2
3-Feb-06	7	7:00	7	4.1	3.9	5.2	6.0	5.7	5.3	4.5	6.4	6.3	6.4	5.1	6.5	6.6	6.7	6.3
3-Feb-06	7	7:00	8	4.2	3.9	5.7	5.8	6.0	5.3	4.0	5.9	6.1	6.3	5.0	6.4	6.1	7.0	6.3
			Average	**6.2**	**5.8**	**5.9**	**6.1**	**6.0**	**6.2**	**5.8**	**6.5**	**6.1**	**6.8**	**6.2**	**6.8**	**7.0**	**6.9**	**6.8**
			Minimum	3.5	3.5	3.6	3.5	3.3	4.1	2.5	4.1	3.0	4.3	3.7	4.4	4.5	5.4	3.7
			Maximum	8.3	8.3	8.4	8.9	8.2	8.5	8.6	8.9	9.0	8.3	8.3	9.1	8.9	8.3	8.5

Appendix Table 17. Water Chemistry Parameters for *Pimephales promelas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 2 February 2006.
pH

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
27-Jan-06	0	7:00	1	8.04	7.48	7.65	7.09	7.39	8.01	7.63	7.91	7.11	7.80	7.48	8.09	7.99	7.78	7.97
27-Jan-06	0	7:00	4	8.20	7.47	7.57	7.13	7.37	7.66	7.96	8.05	7.12	7.56	7.89	7.94	8.06	7.87	7.99
27-Jan-06	0	7:00	5	8.24	7.56	7.83	7.23	7.44	7.12	8.03	7.57	7.96	7.97	8.03	8.09	8.09	7.74	7.88
27-Jan-06	0	7:00	8	8.26	7.46	7.73	7.53	7.45	7.72	8.06	7.88	7.99	7.47	8.08	8.05	8.03	7.66	8.02
30-Jan-06	3	9:00	4	8.21	7.57	7.47	7.75	7.86	7.41	8.01	7.92	7.00	7.42	7.97	7.91	8.00	7.89	7.77
30-Jan-06	3	9:00	7	8.07	7.62	7.49	7.62	7.52	7.52	8.16	8.00	7.46	7.49	8.00	8.00	8.00	7.46	7.81
2-Feb-06	7	7:00	1	7.55	7.52	8.11	7.78	8.15	7.95	7.77	7.56	7.56	7.91	8.08	8.13	7.95	7.85	8.01
2-Feb-06	7	7:00	4	8.15	7.69	7.79	7.85	8.11	7.78	8.05	7.60	7.96	7.82	7.54	7.90	7.96	7.91	7.97
2-Feb-06	7	7:00	5	8.16	7.53	7.48	8.12	7.80	7.48	8.12	7.71	7.58	8.17	7.97	7.99	8.18	7.95	7.86
2-Feb-06	7	7:00	8	7.76	7.59	7.97	7.93	7.92	7.65	7.69	7.80	7.96	8.13	7.51	8.11	8.14	7.97	8.01
			Average	**8.06**	**7.55**	**7.71**	**7.60**	**7.70**	**7.63**	**7.95**	**7.80**	**7.57**	**7.77**	**7.86**	**8.02**	**8.04**	**7.81**	**7.93**
			Minimum	7.55	7.46	7.47	7.09	7.37	7.12	7.63	7.56	7.00	7.42	7.48	7.90	7.95	7.46	7.77
			Maximum	8.26	7.69	8.11	8.12	8.15	8.01	8.16	8.05	7.99	8.17	8.08	8.13	8.18	7.97	8.02

Appendix Table 17. Water Chemistry Parameters fo *Pimephales promelas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 2 February 2006.
Conductivity (µmhos/cm)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
27-Jan-06	0	7:00	1	170	149	136	151	161	132	175	142	139	151	138	143	136	138	129
27-Jan-06	0	7:00	8	141	156	137	141	160	131	155	143	139	149	137	142	133	137	129
3-Feb-06	7	7:00	1	172	183	148	157	171	148	178	155	160	153	146	157	153	140	150
3-Feb-06	7	7:00	8	163	185	147	155	170	147	187	147	158	153	153	156	153	149	147
			Average	**161**	**168**	**142**	**151**	**166**	**139**	**173**	**147**	**149**	**151**	**143**	**150**	**144**	**141**	**139**
			Minimum	141	149	136	141	160	131	155	142	139	149	137	142	133	137	129
			Maximum	172	185	148	157	171	148	187	155	160	153	153	157	153	149	150

Appendix Table 17. Water Chemistry Parameters fo *Pimephales promelas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 2 February 2006.
Ammonia (ppm)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
27-Jan-06	0	7:00	1	<0.063	<0.063	0.165	1.185	3.534	<0.063	1.711	0.121	<0.063	0.113	<0.063	<0.063	<0.063	0.089	<0.063
27-Jan-06	0	7:00	8	<0.063	<0.063	0.188	0.37	3.102	<0.063	1.015	0.132	<0.063	0.156	<0.063	<0.063	<0.063	<0.063	<0.063
3-Feb-06	7	7:00	1	2.406	1.015	0.637	1.235	2.251	0.707	3.026	0.794	0.821	0.814	0.296	0.934	0.863	0.743	0.532
3-Feb-06	7	7:00	8	1.688	1.122	0.608	1.204	2.446	0.701	3.443	0.515	0.715	0.778	0.476	0.93	0.885	0.695	0.534
			Average	**1.040**	**0.549**	**0.400**	**0.999**	**2.833**	**0.368**	**2.299**	**0.391**	**0.400**	**0.465**	**0.208**	**0.482**	**0.453**	**0.390**	**0.283**
			Minimum	<0.063	<0.063	0.165	0.370	2.251	<0.063	1.015	0.121	<0.063	0.113	<0.063	<0.063	<0.063	<0.063	<0.063
			Maximum	2.406	1.122	0.637	1.235	3.534	0.707	3.443	0.794	0.821	0.814	0.476	0.934	0.885	0.743	0.534

Appendix Table 17. Water Chemistry Parameters fo *Pimephales promelas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 2 February 2006.
DOC (ppm)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
27-Jan-06	0	7:00	1	2.9	5.0	3.4	4.0	8.3	4.4	4.7	2.6	10.0	3.6	3.4	3.9	4.3	4.4	5.1
27-Jan-06	0	7:00	8	3.1	4.2	3.8	4.2	6.1	5.0	2.8	2.6	5.8	3.6	3.3	3.8	7.6	4.1	6.8
3-Feb-06	7	7:00	1	4.5	2.8	2.3	2.9	2.7	4.0	4.2	2.5	5.4	2.8	2.1	2.8	2.6	2.7	3.0
3-Feb-06	7	7:00	8	3.7	2.9	3.0	4.0	2.8	3.7	4.2	2.2	4.1	2.4	3.3	2.8	2.7	2.6	2.6
			Average	**3.6**	**3.7**	**3.1**	**3.8**	**5.0**	**4.3**	**4.0**	**2.5**	**6.3**	**3.1**	**3.0**	**3.3**	**4.3**	**3.5**	**4.4**
			Minimum	2.9	2.8	2.3	2.9	2.7	3.7	2.8	2.2	4.1	2.4	2.1	2.8	2.6	2.6	2.6
			Maximum	4.5	5.0	3.8	4.2	8.3	5.0	4.7	2.6	10.0	3.6	3.4	3.9	7.6	4.4	6.8

Appendix Table 17. Water Chemistry Parameters fo *Pimephalos promolas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 2 February 2006.
Hardness (mg/L as CaCO3)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
27-Jan-06	0	7:00	3	46.0	51.6	50.0	63.6	63.6	88.8	62.0	51.6		54.4	56.8	60.8	74.0	54.8	67.2
27-Jan-06	0	7:00	7	58.4	51.6	56.4	70.8	60.4	72.8	56.4	55.6	53.6	54.0	54.8	60.4	58.4	49.6	64.0
3-Feb-06	7	7:00	3	46.4	62.8	54.8	49.6	53.2	52.0	57.6	52.4	50.0	51.6	50.8	60.4	48.8	48.4	49.6
3-Feb-06	7	7:00	7	51.2	60.8	47.2	50.0	56.8	52.0	58.8	57.2	54.4	50.8	48.8	52.0	56.0	50.0	48.4
			Average	**50.5**	**56.7**	**52.1**	**58.5**	**58.5**	**66.4**	**58.7**	**54.2**	**52.7**	**52.7**	**52.8**	**58.4**	**59.3**	**50.7**	**57.3**
			Minimum	46.0	51.6	47.2	49.6	53.2	52.0	56.4	51.6	50.0	50.8	48.8	52.0	48.8	48.4	48.4
			Maximum	58.4	62.8	56.4	70.8	63.6	88.8	62.0	57.2	54.4	54.4	56.8	60.8	74.0	54.8	67.2

Appendix Table 17. Water Chemistry Parameters fo *Pimephales promelas* Exposed to Ashland Harbor Sediments and UV Light, 27 January 2006 to 2 February 2006.
Alkalinity (mg/L as CaCO3)

Date	Day	Time	Rep	Silica Sand	Form. Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
27-Jan-06	0	7:00	2	59.2	52.4	56.8	62.0	79.6	53.6	66.4	57.6	71.6	55.2	58.8	60.4	55.2	48.0	52.8
27-Jan-06	0	7:00	6	54.4	54.8	55.6	69.6	70.0	52.4	64.8	56.4	61.2	46.4	53.6	67.2	53.2	51.6	55.2
3-Feb-06	7	7:00	2	63.2	68.0	54.8	60.8	67.2	57.6	73.2	60.4	62.0	58.4	60.0	61.2	58.0	56.4	57.2
3-Feb-06	7	7:00	6	63.6	65.2	47.2	59.6	67.2	58.4	71.6	72.0	64.4	60.0	60.4	59.6	58.8	58.4	59.2
			Average	**60.1**	**60.1**	**53.6**	**63.0**	**71.0**	**55.5**	**69.0**	**61.6**	**64.8**	**55.0**	**58.2**	**62.1**	**56.3**	**53.6**	**56.1**
			Minimum	54.4	52.4	47.2	59.6	67.2	52.4	64.8	56.4	61.2	46.4	53.6	59.6	53.2	48.0	52.8
			Maximum	63.6	68.0	56.8	69.6	79.6	58.4	73.2	72.0	71.6	60.0	60.4	67.2	58.8	58.4	59.2

APPENDIX 18

Survival and Growth of *C. dilutus* Exposed to Ashland Harbor Sediments,
10 February 2006 to 3 March 2006

Appendix Table 18. Survival and Growth of *C. dilutus* exposed to Ashland Harbor Sediment, 10 February 2006 to 3 March 2006.

Treatment	Test Sediment	Rep	Number of Survivors (12)	Average Survival (%)	Standard Deviation	Number Weighed	Total Dry (oven)Wt (mg)	Ash Wt (mg)	Ash-Free(AF) Dry Wt (mg)	Individual AF Dry Wt (mg)	Average AF Dry Wt (mg)	Standard Deviation
A	Silica Sand	1	14			14	12.8	1.5	11.3	0.81		
A	Silica Sand	2	10			9	9.6	1	8.6	0.96		
A	Silica Sand	3	12			12	9.4	0.9	8.5	0.71		
A	Silica Sand	4	12			12	11.4	1.1	10.3	0.86		
A	Silica Sand	5	13			13	13	1 8	11.2	0.86		
A	Silica Sand	6	9			9	11.4	1.3	10.1	1.12		
A	Silica Sand	7	12			12	11.5	1.1	10.4	0.87		
A	Silica Sand	8	14	100%	18	14	10.3	1	9.3	0.66	0.86	0.14
B	Form. Sediment	1	3			3	8.2	1.7	6.5	2.17		
B	Form. Sediment	2	0			0						
B	Form. Sediment	3	2			2	6	1.1	4.9	2.45		
B	Form. Sediment	4	5			5	3.5	0.5	3	0.60		
B	Form. Sediment	5	3			1	2	0.2	1.8	1.80		
B	Form. Sediment	6	6			6	1.7	0.3	1.4	0.23		
B	Form. Sediment	7	5			4	8.9	2.1	6.8	1.70		
B	Form. Sediment	8	5	30%	20	5	10.3	2.5	7.8	1.56	1.50	0.81
C	W. Bearskin	1	11			11	17.5	3	14.5	1.32		
C	W. Bearskin	2	10			10	16.9	4.1	12.8	1.28		
C	W. Bearskin	3	12			12	18.8	4.3	14.5	1.21		
C	W. Bearskin	4	12			12	19.8	4.7	15.1	1.26		
C	W. Bearskin	5	11			9	12.7	2.3	10.4	1.16		
C	W. Bearskin	6	12			12	18.9	3.6	15.3	1.28		
C	W. Bearskin	7	12			11	16.7	3.6	13.1	1.19		
C	W. Bearskin	8	13	97%	9	12	16.8	3.4	13.4	1.12	1.23	0.07
D	SQT9	1	4			1	1.6	0.1	1.5	1.50		
D	SQT9	2	1			1	4.4	0.1	4.3	4.30		
D	SQT9	3	0			0						
D	SQT9	4	8			4	7.8	1	6.8	1.70		
D	SQT9	5	0			0						
D	SQT9	6	1			0						
D	SQT9	7	0			0						
D	SQT9	8	2	17%	28	0					2.50	1.56
E	SQT13	1	7			7	18.3	3	15.3	2.19		
E	SQT13	2	5			1	2.8	0.3	2.5	2.50		
E	SQT13	3	0			0						
E	SQT13	4	5			3	10.4	0.9	9.5	3.17		
E	SQT13	5	4			0						
E	SQT13	6	0			0						
E	SQT13	7	0			0						
E	SQT13	8	1	23%	28	1	2.2	0.3	1.9	1.90	2.44	0.54
F	SQT11	1	2			1	1.6	0.1	1.5	1.50		
F	SQT11	2	0			0						
F	SQT11	3	1			0						
F	SQT11	4	0			0						
F	SQT11	5	0			0						
F	SQT11	6	0			0						
F	SQT11	7	0			0						
F	SQT11	8	0	3%	7	0					1.50	
G	SQT14	1	1			1	4.2	0.4	3.8	3.80		
G	SQT14	2	3			1	4.4	1.2	3.2	3.20		
G	SQT14	3	6			2	5.5	0.5	5	2.50		
G	SQT14	4	2			0						
G	SQT14	5	9			8	14.8	2.2	12.6	1.58		
G	SQT14	6	1			1	2.7	0.5	2.2	2.20		
G	SQT14	7	6			1	2.4	0.2	2.2	2.20		
G	SQT14	8	1	30%	30	0					2.58	0.80
H	SQT6	1	12			12	24.2	8.9	15.3	1.28		
H	SQT6	2	11			9	15.3	3.9	11.4	1.27		
H	SQT6	3	14			12	17.4	5.2	12.2	1.02		
H	SQT6	4	11			8	14.4	3	11.4	1.43		
H	SQT6	5	12			10	16.8	4.6	12.2	1.22		
H	SQT6	6	13			13	18.9	4.1	14.8	1.14		
H	SQT6	7	9			9	16.2	4.3	11.9	1.32		
H	SQT6	8	10	96%	16	10	16.3	4.7	11.6	1.16	1.23	0.12

Treatment	Test Sediment	Rep	Number of Survivors (12)	Average Survival (%)	Standard Deviation	Number Weighed	Total Dry (oven)Wt (mg)	Ash Wt (mg)	Ash-Free(AF) Dry Wt (mg)	Individual AF Dry Wt (mg)	Average AF Dry Wt (mg)	Standard Deviation
I	SQT2	1	0			0						
I	SQT2	2	0			0						
I	SQT2	3	0			0						
I	SQT2	4	0			0						
I	SQT2	5	0			0						
I	SQT2	6	0			0						
I	SQT2	7	0			0						
I	SQT2	8	0	0%	0	0						
J	SQT7	1	0			0						
J	SQT7	2	0			0						
J	SQT7	3	1			0						
J	SQT7	4	0			0						
J	SQT7	5	3			1	3.2	0.3	2.9	2.90		
J	SQT7	6	0			0						
J	SQT7	7	0			0						
J	SQT7	8	0	4%	11	0					2.90	
K	SQT4	1	2			2	5.9	0.5	5.4	2.70		
K	SQT4	2	0			0						
K	SQT4	3	2			2	5.8	0.6	5.2	2.60		
K	SQT4	4	2			1	2.3	0.1	2.2	2.20		
K	SQT4	5	0			0						
K	SQT4	6	1			0						
K	SQT4	7	0			0						
K	SQT4	8	0	7%	10	0					2.50	0.26
L	SQT3	1	2			1	4.1	0.1	4	4.00		
L	SQT3	2	3			3	8.9	0.9	8			
L	SQT3	3	2			1	4.7	0.4	4.3	4.30		
L	SQT3	4	1			1	3.1	0.3	2.8	2.80		
L	SQT3	5	3			1	3.3	0.2	3.1			
L	SQT3	6	1			0						
L	SQT3	7	0			0						
L	SQT3	8	0	13%	12	0					3.70	0.79
M	SQT5	1	2			0						
M	SQT5	2	0			0						
M	SQT5	3	0			0						
M	SQT5	4	0			0						
M	SQT5	5	1			0						
M	SQT5	6	3			0						
M	SQT5	7	0			0						
M	SQT5	8	0	6%	12	0						
N	SQT 1	1	0			0						
N	SQT 1	2	1			0						
N	SQT 1	3	0			0						
N	SQT 1	4	0			0						
N	SQT 1	5	0			0						
N	SQT 1	6	0			0						
N	SQT 1	7	0			0						
N	SQT 1	8	0	1%	4	0						
O	SQT8	1	0			0						
O	SQT8	2	0			0						
O	SQT8	3	0			0						
O	SQT8	4	1			0						
O	SQT8	5	0			0						
O	SQT8	6	0			0						
O	SQT8	7	0			0						
O	SQT8	8	0	1%	4	0						

APPENDIX 19

Water Chemistry Parameters for *C. dilutus* Exposed to Ashland Harbor Sediments,
10 February 2006 to 3 March 2006

Appendix Table 19. Water Chemistry Parameters for *C. dilutus* Exposed to Ashland Harbor Sediments, 10 February 2006 to 3 March 2006.
Temperature (° C)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
10-Feb-06	0	7:00	1	22.9	23.7	23.3	22.8	23.0	23.2	22.9	23.0	23.1	23.2	23.4	22.8	22.8	23.1	22.9
10-Feb-06	0	7:00	2	23.0	23.5	23.4	23.3	23.1	23.4	22.9	23.0	23.4	23.2	23.3	23.0	22.8	23.2	22.9
10-Feb-06	0	7:00	3	23.1	23.6	23.4	23.0	23.1	23.1	23.1	23.0	23.4	23.1	23.3	22.9	22.9	23.2	22.9
10-Feb-06	0	7:00	4	23.0	23.6	23.4	23.1	23.2	23.1	22.9	22.9	23.4	23.2	23.2	22.9	22.8	23.2	22.9
10-Feb-06	0	7:00	5	23.0	23.6	23.4	22.9	22.9	23.2	22.9	22.9	23.5	23.3	23.2	22.9	22.8	23.1	23.0
10-Feb-06	0	7:00	6	23.0	23.7	23.4	23.0	23.0	23.6	22.9	22.9	23.3	23.4	23.2	22.9	22.9	23.3	22.9
10-Feb-06	0	7:00	7	23.0	23.6	23.4	23.0	23.0	23.0	22.9	22.9	23.4	23.2	23.2	22.8	22.9	23.2	22.8
10-Feb-06	0	7:00	8	23.0	23.6	23.3	23.0	23.0	23.2	23.0	22.9	23.3	23.4	23.2	22.8	23.0	23.2	22.9
11-Feb-06	1	9:15	4	23.1	23.7	23.5	22.9	23.2	23.5	23.0	23.0	23.6	23.4	23.4	23.1	23.0	23.7	23.0
11-Feb-06	1	9:15	6	23.0	23.8	23.6	23.1	23.2	23.6	23.0	23.1	23.5	23.5	23.6	23.1	23.0	23.4	23.2
11-Feb-06	1	18:00	4	23.1	23.7	23.6	23.4	23.4	23.3	23.3	23.0	23.6	23.5	23.4	23.1	23.1	23.8	23.4
11-Feb-06	1	18:00	8	23.1	23.7	23.6	23.3	23.3	23.6	23.3	23.1	23.7	23.6	23.4	23.3	23.3	23.7	23.3
12-Feb-06	2	9:15	4	23.1	23.5	23.6	23.0	23.0	23.7	23.3	23.2	23.6	23.5	23.4	23.1	23.0	23.9	23.0
12-Feb-06	2	9:15	5	23.1	23.7	23.6	23.6	23.1	23.8	23.1	23.1	23.7	23.5	23.6	23.1	23.0	23.7	23.0
12-Feb-06	2	18:10	2	23.1	23.7	23.7	23.2	23.2	23.4	23.0	23.2	24.0	23.8	23.6	23.1	23.1	23.9	23.3
12-Feb-06	2	18:10	4	23.2	23.8	23.7	23.3	23.3	23.6	23.3	23.2	23.8	23.6	23.5	23.2	23.2	24.0	23.2
13-Feb-06	3	9:00	4	23.1	23.7	23.5	22.9	23.0	23.2	23.2	22.8	23.5	23.4	23.2	22.9	22.9	23.6	23.0
13-Feb-06	3	9:00	7	23.0	23.7	23.4	23.0	23.0	23.5	23.1	22.9	23.6	23.3	23.4	23.0	23.0	23.5	23.0
13-Feb-06	3	15:45	3	23.2	23.8	23.4	23.3	23.2	23.6	23.1	23.0	23.5	23.5	23.3	23.1	23.1	23.4	23.1
13-Feb-06	3	15:45	4	23.3	23.9	23.4	23.3	23.3	23.6	23.2	23.0	23.6	23.5	23.3	23.1	23.1	23.6	23.1
14-Feb-06	4	9:30	1	23.0	23.7	23.5	23.1	23.0	23.5	23.0	22.9	23.3	23.4	23.4	22.8	22.9	23.3	23.1
14-Feb-06	4	9:30	4	23.0	23.8	23.3	23.0	23.0	23.3	23.0	22.9	23.5	23.3	23.4	22.9	22.9	23.5	23.2
14-Feb-06	4	16:00	3	22.4	23.2	22.9	22.6	22.4	23.0	22.4	22.4	23.0	22.9	22.7	22.7	22.6	23.0	22.8
14-Feb-06	4	16:00	4	22.5	23.1	22.8	22.6	22.4	23.1	22.5	22.4	23.0	22.9	22.9	22.5	22.6	23.2	22.8
15-Feb-06	5	9:20	4	23.2	23.6	23.4	23.4	23.3	23.5	23.5	23.2	23.0	23.2	23.3	23.4	23.0	23.5	23.0
15-Feb-06	5	9:20	6	23.2	23.6	23.5	23.4	23.3	23.3	23.4	23.3	23.3	23.3	23.3	23.4	23.1	23.3	23.1
15-Feb-06	5	15:30	4	22.5	22.9	22.7	22.7	22.5	22.2	22.7	22.5	22.8	22.8	22.9	22.5	22.9	23.0	23.4
15-Feb-06	5	15:30	8	22.5	22.9	23.8	22.9	22.7	22.4	22.7	22.7	23.0	23.0	23.0	22.8	22.9	23.0	23.4
16-Feb-06	6	8:00	4	23.6	23.4	23.3	23.5	23.3	23.5	23.5	23.0	23.3	23.3	23.3	23.0	23.1	23.6	23.1
16-Feb-06	6	8:00	5	23.3	23.4	23.2	23.4	23.3	23.4	23.3	23.2	23.2	23.4	23.3	23.1	23.2	23.6	23.2
16-Feb-06	6	15:40	2	23.0	23.0	22.7	23.1	22.9	22.9	23.0	22.8	22.8	23.0	23.2	22.8	23.0	23.1	22.5
16-Feb-06	6	15:40	4	23.0	23.1	22.8	23.1	22.9	22.9	23.0	22.8	22.9	23.0	23.1	22.8	23.0	23.2	22.5
17-Feb-06	7	6:30	4	23.2	23.4	22.8	23.2	23.2	23.0	23.2	22.8	23.0	22.8	22.8	22.8	23.0	23.2	22.8
17-Feb-06	7	6:30	7	23.2	23.4	23.0	23.3	23.2	23.0	23.2	23.0	23.1	22.9	23.0	23.0	23.0	23.3	22.8
17-Feb-06	7	15:20	3	22.6	23.0	22.4	22.7	22.6	22.9	22.7	22.5	22.9	22.4	22.7	22.7	22.6	22.9	22.1
17-Feb-06	7	15:20	4	22.7	23.1	22.5	22.7	22.7	22.8	22.7	22.3	23.1	22.8	22.8	22.6	22.7	23.1	22.2
18-Feb-06	8	7:00	4	22.6	23.1	22.6	22.8	22.6	22.6	22.8	22.2	22.5	22.5	22.6	22.4	22.5	22.5	22.2
18-Feb-06	8	7:00	6	22.6	23.0	22.6	22.9	22.5	22.8	22.5	22.2	22.5	22.5	22.6	22.3	22.5	22.6	22.2
18-Feb-06	8	18:00	4	23.1	23.3	23.0	23.0	22.9	22.6	23.0	22.8	22.9	23.0	23.0	22.9	23.0	23.1	22.7
18-Feb-06	8	18:00	8	23.1	23.3	22.9	23.2	22.9	22.9	23.2	22.9	22.9	23.0	23.0	23.0	23.0	23.1	22.6
19-Feb-06	9	8:30	4	23.2	23.2	22.8	23.2	23.2	22.6	23.1	22.9	23.1	23.0	22.9	22.7	23.1	23.1	22.7
19-Feb-06	9	8:30	7	23.1	23.3	23.0	23.3	23.1	22.8	23.3	23.0	23.1	23.1	23.0	22.9	23.3	22.8	22.9
19-Feb-06	9	16:40	1	23.3	23.6	23.3	23.5	23.5	23.2	23.4	23.4	23.4	23.5	23.3	23.3	23.5	23.5	23.0
19-Feb-06	9	16:40	4	23.4	23.7	23.4	23.6	23.5	23.3	23.5	23.4	23.5	23.5	23.4	23.2	23.4	23.6	23.1
20-Feb-06	10	8:40	4	23.3	23.7	23.4	23.6	23.5	23.5	23.4	23.3	23.3	23.5	23.4	23.3	23.3	23.5	23.1
20-Feb-06	10	8:40	5	23.4	23.6	23.3	23.6	23.5	23.4	23.5	23.5	23.4	23.5	23.4	23.3	23.4	23.3	23.1
20-Feb-06	10	15:30	2	23.5	23.5	23.4	23.5	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.2	23.4	23.5	23.5
20-Feb-06	10	15:30	4	23.5	23.6	23.4	23.6	23.4	23.3	23.4	23.3	23.6	23.4	23.5	23.2	23.4	23.7	23.5
21-Feb-06	11	8:30	4	23.5	23.6	23.4	23.4	23.3	23.4	23.2	23.3	23.3	23.3	23.4	23.2	23.2	23.4	23.3
21-Feb-06	11	8:30	7	23.5	23.6	23.3	23.5	23.2	23.3	23.3	23.1	23.4	23.2	23.3	23.2	23.0	23.4	23.3
21-Feb-06	11	15:00	3	22.8	22.9	22.9	23.0	22.9	22.8	22.8	22.7	23.0	22.7	22.7	22.7	22.8	22.7	22.7
21-Feb-06	11	15:00	4	22.8	22.9	22.9	22.9	22.8	22.8	22.9	22.8	23.1	22.8	22.8	22.7	22.8	22.9	22.7

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
22-Feb-06	12	9:10	1	23.5	23.8	23.6	23.4	23.3	23.5	23.3	23.2	23.5	23.5	23.5	23.3	23.1	23.6	23.2
22-Feb-06	12	9:10	4	23.5	23.8	23.6	23.3	23.2	23.4	23.3	23.3	23.6	23.4	23.4	23.3	23.0	23.6	23.2
22-Feb-06	12	15:30	4	23.4	23.8	23.6	23.5	23.4	23.6	23.4	23.2	23.6	23.6	23.5	23.3	23.3	23.6	23.4
22-Feb-06	12	15:30	5	23.5	23.9	23.6	23.6	23.5	23.7	23.4	23.3	23.7	23.6	23.5	23.3	23.5	23.5	23.6
23-Feb-06	13	9:00	4	23.0	23.3	23.2	23.1	23.2	23.0	23.2	23.0	23.2	23.6	23.1	23.1	23.0	23.3	23.1
23-Feb-06	13	9:00	6	23.1	23.6	23.2	23.3	23.2	23.4	23.1	23.0	23.4	23.1	23.0	23.0	23.2	23.3	23.1
23-Feb-06	13	14:30	4	22.9	23.1	22.9	23.0	23.0	22.9	23.0	22.9	23.0	22.8	23.1	22.9	22.9	23.3	22.8
23-Feb-06	13	14:30	8	23.1	23.1	23.0	23.2	23.0	22.9	23.0	22.9	23.0	23.0	23.1	23.1	23.1	23.3	23.0
24-Feb-06	14	8:00	4	23.0	23.3	23.3	23.3	23.0	23.0	23.3	23.3	23.0	23.0	23.3	23.3	23.0	23.3	23.1
24-Feb-06	14	8:00	5	23.1	23.2	23.3	23.2	23.0	23.0	23.2	23.2	23.0	23.2	23.3	23.2	23.0	23.3	23.2
24-Feb-06	14	15:30	2	23.0	23.3	22.8	23.1	22.8	23.0	23.2	23.2	23.1	23.2	23.0	22.9	23.0	23.2	22.7
24-Feb-06	14	15:30	4	23.0	23.1	22.8	23.0	23.1	23.0	23.3	23.2	23.1	23.0	23.1	23.0	22.9	23.3	22.7
25-Feb-06	15	8:50	4	23.5	23.7	23.4	23.7	23.6	23.5	23.8	23.5	23.4	23.2	23.2	23.3	23.3	23.4	23.3
25-Feb-06	15	8:50	7	23.7	23.7	23.4	23.8	23.6	23.4	23.7	23.5	23.2	23.2	23.4	23.4	23.5	23.3	23.3
25-Feb-06	15	15:15	3	23.9	23.5	23.3	23.8	23.7	23.3	23.7	23.6	23.3	23.2	23.2	23.5	23.7	23.4	23.1
25-Feb-06	15	15:15	4	23.9	23.6	23.4	23.9	23.8	23.4	23.8	23.6	23.5	23.4	23.2	23.5	23.8	23.6	23.2
26-Feb-06	16	9:00	1	23.5	23.4	23.2	23.6	23.4	23.0	23.5	23.2	23.1	22.9	23.2	23.2	23.1	23.2	22.9
26-Feb-06	16	9:00	4	23.4	23.4	23.1	23.6	23.4	23.0	23.5	23.2	23.2	23.0	23.0	23.1	23.2	23.3	22.9
26-Feb-06	16	16:00	4	23.6	23.5	23.0	23.4	23.4	23.4	23.4	23.2	23.3	22.8	22.7	23.0	23.1	23.3	23.0
26-Feb-06	16	16:00	8	23.5	23.5	23.0	23.5	23.2	22.9	23.5	23.2	23.3	23.0	22.8	23.2	23.3	23.2	23.1
27-Feb-06	17	10:00	4	23.7	23.6	23.4	23.6	23.6	23.1	23.5	23.3	23.3	23.0	23.2	23.4	23.5	23.4	23.2
27-Feb-06	17	10:00	6	23.7	23.6	23.4	23.6	23.6	23.5	23.5	23.4	23.3	23.3	23.3	23.5	23.6	23.4	23.1
27-Feb-06	17	15:30	4	23.2	23.1	23.0	23.2	23.1	22.7	23.0	22.9	23.1	23.0	22.8	22.8	23.0	23.2	22.9
27-Feb-06	17	15:30	8	23.2	23.1	22.9	23.3	23.1	23.0	23.0	22.9	22.9	23.1	22.7	23.0	23.1	23.1	23.0
28-Feb-06	18	9:00	4	23.6	23.5	23.2	23.6	23.6	23.3	24.6	23.6	23.3	23.3	23.3	23.2	23.4	23.3	23.1
28-Feb-06	18	9:00	5	24.6	23.6	23.4	23.6	23.6	23.4	23.5	24.4	23.6	23.5	23.2	23.2	23.4	23.2	23.2
28-Feb-06	18	15:00	2	23.2	22.9	22.7	23.3	23.1	22.7	23.4	22.8	23.0	22.8	22.9	23.2	22.9	23.0	22.9
28-Feb-06	18	15:00	4	23.2	22.9	22.7	23.3	23.2	22.8	23.4	22.9	23.0	22.7	22.8	23.2	22.9	23.0	22.9
1-Mar-06	19	9:10	4	23.7	23.5	23.3	23.7	23.4	23.0	23.6	23.4	23.4	23.2	23.1	23.2	23.4	23.3	23.4
1-Mar-06	19	9:10	7	23.7	23.4	23.3	23.7	23.7	23.3	23.6	23.4	23.3	23.1	23.1	23.3	23.5	23.1	23.3
1-Mar-06	19	18:00	3	23.0	22.9	22.7	23.1	23.1	22.6	23.0	23.0	22.8	22.5	22.8	23.0	22.8	22.7	22.7
1-Mar-06	19	18:00	4	23.0	23.0	22.6	23.1	23.1	22.7	23.1	23.0	23.0	22.6	22.7	22.8	22.8	22.8	22.8
2-Mar-06	20	5:45	1	23.5	23.2	23.0	23.1	23.2	23.0	23.3	23.1	23.0	22.6	22.8	22.7	23.0	22.7	23.0
2-Mar-06	20	5:45	2	23.2	23.2	23.0	23.4	23.5	23.0	23.6	23.1	23.1	22.7	22.7	22.9	23.0	22.8	23.0
2-Mar-06	20	5:45	3	23.3	23.1	23.1	23.3	23.0	23.0	23.4	23.2	22.9	22.7	22.9	22.9	22.8	22.8	23.0
2-Mar-06	20	5:45	4	23.3	23.2	23.0	23.3	23.2	23.0	23.4	23.0	23.0	22.8	23.0	23.1	22.9	23.1	23.1
2-Mar-06	20	5:45	5	23.2	23.2	23.0	23.5	23.1	23.3	23.3	23.2	23.0	22.5	22.8	23.0	23.0	22.8	23.0
2-Mar-06	20	5:45	6	23.3	23.2	22.8	23.6	23.2	22.9	23.2	23.1	23.1	22.9	22.8	23.0	23.0	22.9	23.0
2-Mar-06	20	5:45	7	23.2	23.2	22.8	23.2	23.0	22.8	23.2	23.1	23.1	22.8	22.8	23.1	23.0	22.9	23.0
2-Mar-06	20	5:45	8	23.3	23.1	23.0	23.1	23.1	22.9	23.2	23.0	22.9	22.9	23.8	23.1	23.1	23.0	23.1
			Average	**23.2**	**23.4**	**23.2**	**23.3**	**23.2**	**23.2**	**23.2**	**23.1**	**23.2**	**23.1**	**23.1**	**23.0**	**23.1**	**23.3**	**23.0**
			Minimum	22.4	22.9	22.4	22.6	22.4	22.2	22.4	22.2	22.5	22.4	22.6	22.3	22.5	22.5	22.1
			Maximum	24.6	23.9	23.8	23.9	23.8	23.8	24.6	24.4	24.0	23.8	23.8	23.5	23.8	24.0	23.6

Appendix Table 19 Water Chemistry Parameters for *C. dilutus* Exposed to Ashland Harbor Sediments, 10 February 2006 to 3 March 2006.
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
10-Feb-06	0	7:00	1	5.9	6.5	6.4	4.8	7.3	4.8	6.1	7.6	6.2	7.9	6.2	6.4	6.1	7.6	7.8
10-Feb-06	0	7:00	2	6.1	6.6	7.0	3.6	5.9	4.2	6.3	7.7	7.0	7.9	5.1	7.0	6.1	7.5	5.4
10-Feb-06	0	7:00	3	6.3	6.8	6.6	3.6	4.8	4.8	7.0	7.6	6.8	7.4	7.1	6.0	7.9	7.6	6.0
10-Feb-06	0	7:00	4	6.5	7.0	6.9	4.3	8.0	4.8	5.9	7.7	7.0	6.2	6.2	6.1	6.4	7.3	5.5
10-Feb-06	0	7:00	5	6.6	7.1	7.2	4.2	3.9	3.1	6.2	7.5	5.5	7.1	6.1	6.2	7.0	7.2	7.2
10-Feb-06	0	7:00	6	6.7	7.1	7.4	3.9	6.5	4.2	5.6	7.7	5.0	8.3	6.0	5.1	5.7	7.1	5.8
10-Feb-06	0	7:00	7	6.9	7.2	7.5	5.2	5.6	4.7	5.6	7.8	5.1	8.5	5.1	6.5	6.8	7.1	6.3
10-Feb-06	0	7:00	8	7.1	7.8	6.8	4.5	5.5	3.4	7.1	7.9	4.4	8.4	6.2	5.4	7.4	8.3	6.4
11-Feb-06	1	9:15	4	4.0	4.6	4.8	5.0	5.1	5.2	5.7	5.5	6.4	6.2	6.5	6.0	5.7	6.2	7.4
11-Feb-06	1	9:15	6	4.6	4.3	4.8	4.7	5.0	3.7	5.4	5.8	6.1	6.0	5.7	6.2	5.5	6.2	6.8
11-Feb-06	1	18:00	4	5.0	5.4	5.8	6.5	6.0	5.1	6.2	6.2	7.0	7.2	5.3	7.2	5.7	7.2	6.9
11-Feb-06	1	18:00	8	5.0	5.4	4.6	4.9	5.6	3.7	6.1	6.3	6.6	6.0	6.2	6.3	6.9	7.3	6.4
12-Feb-06	2	9:15	4	3.0	3.8	3.5	4.5	4.7	4.4	4.6	4.4	5.1	5.3	5.3	5.0	5.2	5.2	5.4
12-Feb-06	2	9:15	5	3.1	3.6	3.7	4.3	4.5	4.9	4.7	4.4	5.0	5.0	5.3	4.7	5.2	5.2	5.7
12-Feb-06	2	18:10	2	2.5	3.0	3.5	3.9	2.5	4.3	4.6	4.1	4.5	4.5	4.0	4.5	4.8	4.9	4.0
12-Feb-06	2	18:10	4	2.6	2.8	2.9	3.9	3.5	3.3	4.0	4.1	4.5	4.6	3.9	4.4	4.5	5.3	3.9
13-Feb-06	3	9:00	4	4.5	4.3	5.0	5.0	3.8	4.2	5.1	5.1	5.2	5.0	5.0	5.1	5.1	5.2	4.7
13-Feb-06	3	9:00	7	4.3	4.4	4.5	4.6	2.4	5.0	5.2	4.6	4.7	4.6	4.3	5.0	4.9	5.4	4.4
13-Feb-06	3	15:45	3	7.0	6.9	6.1	6.8	5.0	6.9	6.7	7.0	6.9	7.2	5.5	7.3	6.8	8.2	6.4
13-Feb-06	3	15:45	4	7.0	6.1	5.6	6.9	5.9	4.4	6.7	7.0	7.3	7.3	7.3	7.2	6.9	8.5	6.5
14-Feb-06	4	9:30	1	7.8	6.0	6.4	6.3	2.3	4.2	5.0	5.6	6.5	6.4	6.1	6.2	6.1	7.8	5.1
14-Feb-06	4	9:30	4	6.0	6.1	6.2	6.6	3.5	6.0	5.2	5.6	6.2	5.8	5.7	6.5	5.6	7.9	5.7
14-Feb-06	4	16:00	3	6.4	4.6	4.4	6.6	2.9	6.0	5.5	6.1	6.3	4.0	3.6	7.2	3.8	6.6	5.8
14-Feb-06	4	16:00	4	6.3	3.7	4.4	6.4	2.8	5.8	6.5	5.1	6.9	4.8	3.4	6.6	3.8	7.3	6.9
15-Feb-06	5	9:20	4	7.8	6.6	7.3	6.6	6.7	5.6	7.6	6.2	7.6	7.6	7.9	8.1	5.2	8.0	6.9
15-Feb-06	5	9:20	6	6.4	5.9	7.4	6.6	5.9	7.3	4.9	4.8	8.1	7.8	7.8	7.9	7.4	7.7	7.1
15-Feb-06	5	15:30	4	5.8	6.4	6.4	6.9	4.0	4.8	7.1	6.1	7.9	7.0	6.8	8.8	4.9	7.8	7.1
15-Feb-06	5	15:30	8	6.6	6.3	6.6	6.9	6.3	3.8	6.2	5.1	7.1	7.4	6.3	7.6	6.0	7.3	6.5
16-Feb-06	6	8:00	4	6.6	6.7	6.6	6.6	4.9	6.5	6.5	6.1	6.8	6.6	6.7	7.3	3.6	7.3	6.4
16-Feb-06	6	8:00	5	5.9	6.3	6.8	6.9	4.4	6.2	5.4	7.0	6.4	5.7	6.9	7.9	4.0	7.6	7.0
16-Feb-06	6	15:40	2	6.9	6.6	6.1	8.1	6.3	7.2	6.3	5.5	4.4	8.0	8.5	6.6	3.1	7.2	6.0
16-Feb-06	6	15:40	4	6.4	6.7	6.9	7.9	6.9	7.3	6.8	5.4	4.7	8.0	8.1	7.3	4.6	7.5	6.3
17-Feb-06	7	6:30	4	7.6	6.1	7.5	7.3	5.0	5.0	8.3	7.2	7.7	8.0	8.2	8.4	7.8	8.5	6.6
17-Feb-06	7	6:30	7	6.0	6.7	7.7	7.8	2.9	6.6	7.0	7.1	8.5	6.4	5.7	8.1	7.3	6.7	6.9
17-Feb-06	7	15:20	3	6.5	5.0	6.8	7.6	5.9	5.6	4.7	6.4	6.2	8.1	6.4	7.1	6.3	7.5	6.5
17-Feb-06	7	15:20	4	6.0	3.8	6.3	4.7	4.9	5.0	5.3	4.4	7.1	8.1	6.7	6.9	3.5	6.8	6.0
18-Feb-06	8	7:00	4	6.8	6.9	6.2	6.8	6.0	6.1	7.4	5.8	7.5	5.9	7.1	7.0	4.2	7.6	6.8
18-Feb-06	8	7:00	6	5.3	6.4	6.1	7.1	5.4	7.4	5.4	5.2	6.6	5.3	7.3	6.9	6.9	7.6	6.3
18-Feb-06	8	18:00	4	5.9	5.6	6.6	7.4	6.7	4.0	6.4	6.5	8.4	6.3	6.3	6.4	5.8	6.4	6.5
18-Feb-06	8	18:00	8	6.5	5.6	4.3	7.3	5.4	7.2	6.3	6.9	6.3	5.1	6.2	6.5	6.5	6.6	6.1
19-Feb-06	9	8:30	4	6.6	5.6	6.7	6.2	5.0	4.2	6.6	5.7	6.8	6.5	6.4	6.3	6.1	6.7	6.5
19-Feb-06	9	8:30	7	6.6	5.9	6.4	6.5	5.4	4.0	6.9	6.0	5.9	6.9	5.6	6.6	6.7	5.9	6.6
19-Feb-06	9	16:40	1	6.1	5.7	5.4	6.1	5.6	6.8	6.9	6.5	5.6	6.0	6.8	7.0	6.6	7.0	5.6
19-Feb-06	9	16:40	4	6.7	6.7	5.9	6.4	4.9	6.4	7.2	5.7	6.2	5.9	7.0	7.2	6.8	7.4	5.9
20-Feb-06	10	8:40	4	6.4	5.7	6.2	6.0	5.2	7.0	6.3	5.5	6.7	6.1	6.8	6.9	5.8	7.1	5.9
20-Feb-06	10	8:40	5	6.2	5.1	5.4	6.2	3.0	6.4	5.2	6.4	6.1	5.3	6.0	6.2	6.4	6.0	6.3
20-Feb-06	10	15:30	2	6.7	5.2	6.5	6.4	5.6	6.3	7.2	5.2	7.1	7.2	8.0	8.0	6.6	7.0	5.3
20-Feb-06	10	15:30	4	6.3	5.4	6.6	6.2	7.1	6.5	7.2	4.9	7.6	7.2	7.9	7.3	5.9	6.8	5.6
21-Feb-06	11	8:30	4	5.4	4.8	6.5	6.7	6.9	4.4	6.7	5.4	7.1	6.6	6.7	6.9	5.3	7.4	6.2
21-Feb-06	11	8:30	7	5.2	5.8	6.9	7.1	5.7	6.7	7.1	5.5	7.0	4.8	6.6	6.8	6.0	7.0	6.5
21-Feb-06	11	15:00	3	7.4	2.6	7.0	7.1	6.4	6.7	6.7	4.9	6.6	4.2	7.4	6.8	6.9	7.7	4.8
21-Feb-06	11	15:00	4	6.9	2.4	6.7	7.0	6.5	7.0	7.2	4.4	6.8	4.6	4.4	4.4	3.9	7.4	4.5

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
22-Feb-06	12	9:10	1	7.3	3.5	6.8	6.9	6.4	6.8	6.4	6.6	6.4	6.8	6.9	7.0	6.7	7.5	5.8
22-Feb-06	12	9:10	4	7.2	1.2	7.2	6.9	2.8	4.4	4.2	6.5	6.7	6.4	6.4	7.4	5.7	7.5	5.8
22-Feb-06	12	15:30	4	6.9	6.4	6.2	7.7	2.3	3.7	4.8	7.1	6.4	6.7	5.9	7.4	4.7	8.2	6.3
22-Feb-06	12	15:30	5	7.1	5.4	6.3	7.3	3.2	3.9	4.3	7.0	6.8	6.6	5.8	5.8	5.3	7.0	6.6
23-Feb-06	13	9:00	4	9.0	7.3	6.6	6.4	1.9	2.6	3.0	5.5	7.9	7.4	8.1	7.7	7.6	7.7	6.4
23-Feb-06	13	9:00	6	6.7	5.7	7.0	7.2	2.1	7.9	2.0	5.3	7.3	7.6	7.0	5.4	7.9	7.8	7.5
23-Feb-06	13	14:30	4	7.4	6.5	6.5	6.4	4.3	5.1	5.9	6.6	6.5	7.5	6.3	6.7	4.9	7.2	6.2
23-Feb-06	13	14:30	8	7.5	6.4	6.7	6.7	3.4	6.0	6.7	5.2	5.6	7.1	5.6	7.2	7.2	7.1	7.0
24-Feb-06	14	8:00	4	7.0	6.9	7.2	6.6	4.1	5.0	6.2	6.6	6.9	7.7	6.6	6.9	4.6	7.6	6.9
24-Feb-06	14	8:00	5	7.4	7.2	7.2	6.9	3.7	4.6	6.9	5.9	6.0	7.9	6.6	6.4	7.0	7.4	7.4
24-Feb-06	14	15:30	2	7.9	7.3	6.4	7.6	5.6	4.9	6.3	6.8	6.6	7.0	4.6	4.6	3.6	7.4	3.6
24-Feb-06	14	15:30	4	7.4	2.6	6.3	8.0	7.2	5.4	5.9	7.1	6.4	7.1	6.1	4.6	4.1	7.4	3.7
25-Feb-06	15	8:50	4	7.9	5.0	7.1	7.1	6.0	3.4	3.0	6.1	7.5	7.8	4.0	8.1	6.0	7.8	5.2
25-Feb-06	15	8:50	7	7.6	5.3	7.8	8.3	4.2	7.7	5.0	5.6	4.2	8.1	4.6	7.5	7.7	7.8	7.2
25-Feb-06	15	15:15	3	8.0	6.9	7.5	7.5	7.6	7.0	6.8	6.5	7.6	8.3	7.5	7.7	6.5	7.3	7.4
25-Feb-06	15	15:15	4	7.9	6.2	7.0	7.2	7.0	5.5	5.4	6.4	7.3	7.7	6.9	7.6	6.0	7.3	7.3
26-Feb-06	16	9:00	1	7.9	4.7	6.4	6.8	7.7	7.1	6.5	5.8	7.1	7.4	7.3	8.8	8.5	7.4	7.3
26-Feb-06	16	9:00	4	8.5	5.8	6.2	7.5	8.3	6.9	3.7	2.8	8.1	8.1	6.9	8.7	8.6	8.1	7.7
26-Feb-06	16	16:00	4	7.5	4.1	6.8	7.3	7.1	6.3	3.3	5.0	6.6	7.4	6.0	7.7	5.3	7.1	6.3
26-Feb-06	16	16:00	8	7.6	1.4	6.7	7.1	6.8	6.5	1.7	4.4	2.7	7.3	3.2	7.4	6.1	7.4	7.2
27-Feb-06	17	10:00	4	7.7	4.6	7.1	7.5	7.3	6.4	5.5	5.0	7.5	8.4	7.1	7.6	5.1	7.8	7.3
27-Feb-06	17	10:00	6	7.8	4.1	6.8	7.2	6.3	7.9	5.6	4.1	6.3	8.4	5.8	7.4	4.0	7.6	7.5
27-Feb-06	17	15:30	4	7.7	3.5	6.7	4.7	7.3	6.0	6.5	3.3	8.0	6.3	4.0	6.6	4.2	7.5	5.6
27-Feb-06	17	15:30	8	7.5	2.6	6.8	5.5	7.3	7.0	3.0	3.2	4.7	6.7	3.0	7.1	6.1	6.5	6.4
28-Feb-06	18	9:00	4	7.2	7.1	6.9	7.5	7.2	6.0	6.6	4.6	6.4	7.1	7.3	7.0	3.2	8.6	8.2
28-Feb-06	18	9:00	5	6.8	5.2	6.9	6.7	6.7	6.8	4.4	4.3	7.0	6.4	6.1	7.8	4.3	6.5	8.4
28-Feb-06	18	15:00	2	8.1	3.4	7.0	7.9	7.6	2.8	7.3	4.2	3.4	7.1	7.0	7.3	2.6	7.5	5.3
28-Feb-06	18	15:00	4	8.0	2.2	6.8	7.4	7.2	4.2	6.9	6.7	6.8	4.3	5.5	6.7	2.8	7.1	6.6
1-Mar-06	19	9:10	4	8.1	5.8	6.3	7.6	7.0	5.7	7.2	5.7	7.2	7.9	8.2	8.2	3.0	8.2	7.6
1-Mar-06	19	9:10	7	7.8	3.6	6.6	7.2	6.6	7.8	7.4	5.1	6.6	7.3	5.9	6.4	5.6	7.5	8.5
1-Mar-06	19	18:00	3	7.6	4.7	6.8	6.6	7.5	6.0	7.2	7.4	8.3	6.0	5.0	8.5	7.6	6.9	6.5
1-Mar-06	19	18:00	4	7.3	2.8	6.5	5.9	7.0	4.6	7.1	6.1	7.1	5.5	5.0	7.8	4.8	7.0	5.5
2-Mar-06	20	5:45	1	7.6	5.4	7.2	8.4	7.1	7.4	7.1	6.2	7.8	6.9	6.5	7.7	7.7	7.3	6.8
2-Mar-06	20	5:45	2	7.3	5.8	7.1	8.1	7.0	7.5	6.8	6.2	7.7	7.2	5.1	8.5	3.7	7.7	6.8
2-Mar-06	20	5:45	3	6.7	4.3	6.8	8.1	7.5	6.1	7.5	6.8	7.4	7.1	5.4	8.2	6.8	8.0	7.0
2-Mar-06	20	5:45	4	6.9	6.1	7.0	6.2	7.3	6.3	7.0	5.0	7.3	7.5	6.9	8.4	3.6	8.3	7.3
2-Mar-06	20	5:45	5	5.1	3.5	7.2	7.0	7.0	6.6	7.2	5.5	7.1	5.4	6.3	8.3	4.7	6.0	7.0
2-Mar-06	20	5:45	6	4.5	4.0	5.9	7.3	7.2	6.7	6.5	4.1	7.1	7.3	6.2	7.4	4.8	6.9	7.6
2-Mar-06	20	5:45	7	5.4	6.2	6.9	7.0	7.7	6.4	6.7	4.9	7.4	7.1	6.4	7.7	5.0	6.0	7.9
2-Mar-06	20	5:45	8	7.3	3.6	6.6	7.3	7.1	6.9	6.6	4.7	6.0	7.3	6.6	7.9	6.4	6.4	7.8
			Average	**6.6**	**5.3**	**6.4**	**6.5**	**5.6**	**5.6**	**6.0**	**5.8**	**6.5**	**6.7**	**6.1**	**6.9**	**5.7**	**7.2**	**6.4**
			Minimum	2.5	1.2	2.9	3.6	1.9	2.6	1.7	2.8	2.7	4.0	3.0	4.4	2.6	4.9	3.6
			Maximum	9.0	7.8	7.8	8.4	8.3	7.9	8.3	7.9	8.5	8.5	8.5	8.8	8.6	8.6	8.5

Appendix Table 19. Water Chemistry Parameters for *C. dilutus* Exposed to Ashland Harbor Sediments, 10 February 2006 to 3 March 2006.
pH

Date	Day	Time	Rep	Sand	orm Sedime	N. Bearskir	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
10-Feb-06	0	7:00	1	8.26	7.59	7.60	7.20	7.91	6.86	7.76	8.01	7.24	7.88	7.54	7.77	7.65	7.82	7.80
10-Feb-06	0	7:00	4	8.27	7.43	7.59	7.37	8.01	6.61	7.82	7.93	7.58	7.25	7.63	7.71	7.40	7.82	7.24
10-Feb-06	0	7:00	5	8.28	7.73	8.06	7.17	7.43	6.81	7.79	7.86	7.58	7.93	7.53	7.96	7.46	7.91	7.80
10-Feb-06	0	7:00	8	8.28	7.98	7.71	7.40	7.53	6.65	7.92	7.90	7.09	7.33	7.39	7.31	7.78	7.68	7.56
13-Feb-06	3	9:00	4	8.19	7.64	7.47	7.95	7.72	7.22	7.28	7.99	7.67	7.89	7.58	7.98	7.83	7.97	7.80
13-Feb-06	3	9:00	7	8.09	7.80	7.64	7.77	7.48	7.94	7.41	7.62	8.00	7.77	7.62	7.91	7.91	7.90	7.96
16-Feb-06	6	8:00	4	7.86	7.53	7.38	7.35	7.34	7.21	7.47	7.30	7.39	7.39	7.47	7.65	7.38	7.46	7.68
16-Feb-06	6	8:00	5	7.57	7.57	7.38	7.41	6.95	7.52	7.58	7.32	7.46	7.42	7.55	7.72	7.45	7.37	7.74
18-Feb-06	8	7:00	4	8.48	8.11	7.79	7.90	7.80	7.65	8.16	7.65	8.08	7.68	8.13	8.05	7.59	8.19	8.00
18-Feb-06	8	7:00	6	7.74	8.02	7.76	8.02	7.91	8.17	7.78	7.55	7.77	7.59	7.97	7.98	7.86	8.15	8.10
23-Feb-06	13	9:00	4	8.33	7.92	7.98	7.98	7.42	7.24	7.50	7.66	8.13	7.96	8.09	8.05	7.93	8.22	7.87
23-Feb-06	13	9:00	6	7.98	7.76	7.93	8.82	7.44	8.15	7.45	7.52	8.10	8.01	7.81	7.77	7.20	8.22	8.13
27-Feb-06	17	10:00	4	8.44	7.38	8.04	8.10	8.17	7.65	7.80	7.53	8.10	8.07	7.99	7.89	7.55	8.19	8.07
27-Feb-06	17	10:00	6	8.41	7.33	8.08	8.07	8.02	8.12	7.77	7.45	7.77	8.18	7.64	8.06	7.64	8.06	8.02
2-Mar-06	20	5:45	1	8.12	7.56	7.92	7.84	8.05	7.69	8.06	7.67	7.91	7.41	7.75	7.72	7.71	7.73	7.81
2-Mar-06	20	5:45	4	8.07	7.52	7.91	7.70	8.11	7.81	8.08	7.50	7.99	7.50	8.06	8.05	7.34	8.10	7.91
2-Mar-06	20	5:45	5	7.60	7.29	7.94	7.96	7.93	7.77	8.05	7.51	7.80	7.43	7.58	7.99	7.43	8.55	7.90
2-Mar-06	20	5:45	8	8.07	7.34	7.61	7.91	7.94	7.83	7.99	7.40	7.60	7.97	7.61	8.03	8.05	7.64	7.98
			Average	**8.11**	**7.64**	**7.77**	**7.77**	**7.73**	**7.49**	**7.76**	**7.63**	**7.74**	**7.70**	**7.72**	**7.87**	**7.62**	**7.94**	**7.85**
			Minimum	7.57	7.29	7.38	7.17	6.95	6.61	7.28	7.30	7.09	7.25	7.39	7.31	7.20	7.37	7.24
			Maximum	8.48	8.11	8.08	8.82	8.17	8.17	8.16	8.01	8.13	8.18	8.13	8.06	8.05	8.55	8.13

Appendix Table 19. Water Chemistry Parameters for *C. dilutus* Exposed to Ashland Harbor Sediments, 10 February 2006 to 3 March 2006.
Conductivity (µmhos/cm)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
10-Feb-06	0	7:00	1	175	183	157	166	189	145	175	161	166	173	158	179	157	165	150
10-Feb-06	0	7:00	8	167	169	157	166	199	150	171	158	161	170	157	160	157	160	150
16-Feb-06	6	8:00	4	150	179	149	148	164	146	159	156	152	160	155	168	151	150	147
16-Feb-06	6	8:00	5	152	179	149	148	172	147	159	157	153	157	154	161	149	155	146
23-Feb-06	13	9:00	4	156	171	146	150	173	157	175	151	155	159	158	151	152	153	154
23-Feb-06	13	9:00	6	155	180	145	150	171	153	177	151	160	157	158	153	152	153	154
2-Mar-06	20	5:45	1	146	165	139	144	149	145	147	141	150	154	149	148	147	146	144
2-Mar-06	20	5:45	8	146	180	137	145	149	145	145	141	150	147	151	146	147	145	143
			Average	**156**	**176**	**147**	**152**	**171**	**148**	**163**	**152**	**156**	**160**	**155**	**158**	**152**	**153**	**148**
			Minimum	146	165	137	144	149	145	145	141	150	147	149	146	147	145	143
			Maximum	175	183	157	166	199	157	177	161	166	173	158	179	157	165	154

Appendix Table 19. Water Chemistry Parameters for *C. dilutus* Exposed to Ashland Harbor Sediments, 10 February 2006 to 3 March 2006.
Ammonia (ppm)_

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
10-Feb-06	0	7:00	1	<0.063	<0.063	0.280	1.488	2.612	<0.063	1.416	0.194	<0.063	0.080	<0.063	<0.063	<0.063	<0.063	<0.063
10-Feb-06	0	7:00	8	<0.063	<0.063	0.208	1.313	6.242	0.068	0.973	0.095	<0.063	0.097	<0.063	<0.063	<0.063	<0.063	<0.063
2-Mar-06	20	5:45	1	0.322	<0.063	0.093	<0.063	0.205	0.097	<0.063	0.078	<0.063	0.280	0.105	0.064	0.269	0.118	0.132
2-Mar-06	20	5:45	8	0.307	<0.063	0.087	<0.063	0.259	0.078	<0.063	0.136	0.140	0.075	0.122	<0.063	0.257	0.180	0.089
			Average	**0.173**	<0.063	**0.167**	**0.716**	**2.330**	**0.069**	**0.613**	**0.126**	**0.059**	**0.133**	**0.073**	**0.040**	**0.147**	**0.090**	**0.071**
			Minimum	<0.063	<0.063	0.087	<0.063	0.205	<0.063	<0.063	0.078	<0.063	0.075	<0.063	<0.063	<0.063	<0.063	<0.063
			Maximum	0.307	<0.063	0.280	1.488	6.242	0.097	1.416	0.194	0.140	0.280	0.122	0.064	0.269	0.180	0.132

Appendix Table 19. Water Chemistry Parameters for *C. dilutus* Exposed to Ashland Harbor Sediments, 10 February 2006 to 3 March 2006.
Alkalinity (mg/L as CaCO3)

Date	Day	Time	Rep	Sand	Form Sediment	W. Bearskin	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
10-Feb-06	0	7:00	2	53.2	51.2	54.8	63.6	80.8		72.0	56.0	59.8	52.0	58.8	52.0	52.8	55.6	53.2
10-Feb-06	0	7:00	6	53.6	54.2	53.2	60.8	72.0		79.6	60.4	59.8	48.8	63.6	68.8	67.6	55.2	62.0
2-Mar-06	20	5:45	2	56.4	69.2	41.2	53.2	52.8	53.2	54.8	55.2	55.6	53.2	58.8	53.6	56.0	50.8	54.4
2-Mar-06	20	5:45	6	55.6	73.2	53.6	54.0	56.0	52.8	59.6	54.8	56.0	53.2	55.6	53.2	54.0	50.0	52.0
			Average	**54.7**	**62.0**	**50.7**	**57.9**	**65.4**	**53.0**	**66.5**	**56.6**	**57.8**	**51.8**	**59.2**	**56.9**	**57.6**	**52.9**	**55.4**
			Minimum	53.2	51.2	41.2	53.2	52.8	52.8	54.8	54.8	55.6	48.8	55.6	52.0	52.8	50.0	52.0
			Maximum	56.4	73.2	54.8	63.6	80.8	53.2	79.6	60.4	59.8	53.2	63.6	68.8	67.6	55.6	62.0

Appendix Table 19. Water Chemistry Parameters for *C. dilutus* Exposed to Ashland Harbor Sediments, 10 February 2006 to 3 March 2006.
Hardness (mg/L as CaCO3)

Date	Day	Time	Rep	Sand	orm Sedime	N. Bearskir	SQT9	SQT13	SQT11	SQT14	SQT6	SQT2	SQT7	SQT4	SQT3	SQT5	SQT1	SQT8
10-Feb-06	0	7:00	3	36.4	49.2	52.8	71.6	60.4		58.0	53.6	57.2	60.8	78.8	58.0	54.8	56.4	59.6
10-Feb-06	0	7.00	7	50.4	53.2	54.4	55.2	66.4		66.8	58.0	64.4	52.4	58.8	61.2	54.0	57.6	
2-Mar-06	20	5:45	3	50.0	70.4	44.8	50.4	52.8	49.2	54.4	50.4	54.4	55.7	54.4	51.2	52.4	48.4	49.6
2-Mar-06	20	5:45	7	51.6	63.6	47.6	52.8	56.0	58.8	55.6	51.6	53.6	50.8	56.0	56.4	50.4	46.4	56.4
			Average	**47.1**	**59.1**	**49.9**	**57.5**	**58.9**	**54.0**	**58.7**	**53.4**	**57.4**	**54.9**	**62.0**	**56.7**	**52.9**	**52.2**	**55.2**
			Minimum	36.4	49.2	44.8	50.4	52.8	49.2	54.4	50.4	53.6	50.8	54.4	51.2	50.4	46.4	49.6
			Maximum	51.6	70.4	54.4	71.6	66.4	58.8	66.8	58.0	64.4	60.8	78.8	61.2	54.8	57.6	59.6

APPENDIX 20

Water Chemistry Parameters for *Lumbriculus variegatus*
Exposed to Ashland Harbor Sediments,
12 August 2005

Appendix Table 20. Water Chemistry Parameters for *Lumbriculus variegatus* Exposed to Ashland Harbor Sediments, 12 August 2005
Temperature (° C)

Date	Day	Time	Rep	Form Sed	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
12-Aug-05	0	7:30	1	23.0	23.1	22.9	23.1	23.0	22.8	23.0	22.9	22.8	23.1	23.2	22.7
12-Aug-05	0	7:30	2	24.2	24.0	24.7	24.1	24.0	24.0	23.9	23.9	23.9	24.0	23.8	24.2
12-Aug-05	0	7:30	3	23.0	23.2	22.5	23.1	22.9	23.1	23.1	22.9	23.3	23.0	22.9	23.1
12-Aug-05	0	7:30	4	24.0	24.5	24.6	24.7	24.0	24.2	23.6	24.1	24.1	23.8	23.9	24.2
12-Aug-05	0	14:20	4	23.6	23.9	24.6	23.7	23.8	24.0	23.8	24.0	23.5	23.4	23.7	24.1
13-Aug-05	1	9.45	2	22.2	22.1	22.4	21.3	21.6	22.0	22.3	22.1	21.8	22.1	21.9	22.0
13-Aug-05	1	9:45	4	22.3	21.3	22.2	21.8	21.8	21.8	22.4	22.4	22.0	21.8	21.6	20.9
13-Aug-05	1	16:15	1	20.1	20.3	19.9	20.2	19.9	20.0	19.7	20.1	21.4	20.2	20.6	20.4
13-Aug-05	1	16:15	3	20.0	20.0	20.2	20.1	20.1	20.1	20.0	19.9	20.1	20.0	20.2	20.1
14-Aug-05	2	9:00	2	22.5	22.1	21.5	21.5	21.2	22.6	21.3	21.7	22.2	21.4	21.3	22.5
14-Aug-05	2	9:00	4	22.4	22.6	23.2	22.6	21.1	21.9	21.9	22.3	21.8	21.5	21.4	21.7
14-Aug-05	2	15:50	1	22.0	21.1	21.5	22.1	21.2	22.9	21.4	21.6	22.8	21.9	21.7	21.5
14-Aug-05	2	15:50	3	21.9	21.9	21.3	22.1	22.0	21.4	21.3	21.1	21.3	21.1	21.1	21.6
15-Aug-05	3	8:10	2	23.1	22.8	22.6	22.7	22.6	23.0	22.7	22.5	22.6	22.6	22.7	22.8
15-Aug-05	3	8:10	4	22.8	23.1	23.4	22.9	22.5	22.9	22.6	22.9	22.9	22.8	22.6	22.7
15-Aug-05	3	15:25	1	22.0	21.6	22.0	21.9	21.9	22.6	21.8	22.0	21.7	22.0	22.0	22.1
15-Aug-05	3	15:25	3	22.0	22.0	21.6	21.8	21.5	22.0	22.0	21.9	22.3	21.8	21.6	21.8
16-Aug-05	4	7:45	2	23.3	23.3	23.3	23.3	22.6	23.4	23.1	23.2	22.7	23.2	23.0	22.8
16-Aug-05	4	7:45	4	23.6	23.6	24.1	23.4	22.5	23.3	23.0	22.7	23.3	23.0	23.0	22.5
16-Aug-05	4	15:10	1	22.0	21.7	21.9	22.2	22.1	22.6	21.7	21.9	21.7	22.0	22.1	21.7
16-Aug-05	4	15:10	3	22.1	22.0	21.5	21.9	21.7	2.2	21.8	21.5	222.0	21.9	21.6	21.7
17-Aug-05	5	8:15	2	23.4	22.5	23.3	23.3	23.4	23.5	23.4	23.2	23.2	23.1	23.1	23.4
17-Aug-05	5	8:15	4	23.4	23.5	24.3	23.5	23.1	23.4	23.0	23.1	22.7	23.4	23.5	23.0
17-Aug-05	5	15:25	1	23.4	22.8	22.9	23.4	23.5	23.5	23.4	23.2	23.1	23.4	23.4	22.9
17-Aug-05	5	15:25	3	23.2	23.3	22.4	23.2	23.1	23.2	23.0	22.3	23.7	22.8	22.7	23.0
18-Aug-05	6	8:00	2	23.1	22.8	23.1	22.5	22.0	23.1	22.9	22.6	22.6	22.7	22.7	23.3
18-Aug-05	6	8:00	4	22.9	23.7	23.3	22.8	22.8	23.1	22.9	22.1	23.0	22.6	22.3	22.4
18-Aug-05	6	15:45	1	22.1	21.0	21.3	21.4	21.6	21.4	21.3	21.3	21.2	21.3	21.6	21.0
18-Aug-05	6	15:45	3	21.8	21.5	21.0	21.7	22.2	21.7	21.3	20.8	21.2	21.1	21.0	20.9
19-Aug-05	7	8:30	2	22.1	22.7	21.8	22.4	22.1	22.5	22.1	22.1	21.9	22.1	22.1	22.0
19-Aug-05	7	8:30	4	22.3	22.0	23.2	22.3	22.3	22.4	21.8	21.7	22.2	22.1	22.2	22.0
19-Aug-05	7	15:40	1	23.1	22.4	22.6	22.9	22.9	23.2	22.9	22.6	22.6	22.8	22.8	22.4
19-Aug-05	7	15:40	3	22.8	22.7	22.1	22.8	22.7	22.8	22.6	22.6	23.1	22.5	22.6	22.5
20-Aug-05	8	8:30	2	22.4	22.1	21.9	22.3	22.0	22.3	22.0	22.2	21.9	22.0	22.2	22.3
20-Aug-05	8	8:30	4	22.1	22.6	23.0	22.4	22.2	22.3	21.7	22.2	22.1	22.0	22.0	21.9
20-Aug-05	8	15:45	1	22.6	22.0	22.3	22.3	22.5	22.9	22.1	22.2	21.7	22.0	2.3	21.8
20-Aug-05	8	15:45	3	22.5	22.2	21.8	2.2	22.0	22.3	22.2	22.0	22.3	22.0	21.7	21.9
21-Aug-05	9	9:00	2	22.1	22.0	21.3	21.9	21.9	22.0	21.9	21.2	21.8	22.2	21.7	22.1
21-Aug-05	9	9:00	4	21.6	22.4	22.9	22.3	21.5	21.9	21.6	22.1	22.0	21.9	21.8	22.0
21-Aug-05	9	15:30	1	22.2	21.2	23.1	21.5	21.2	21.9	23.1	21.5	21.6	21.1	21.8	21.1
21-Aug-05	9	15:30	3	21.9	21.3	20.9	21.0	21.6	21.8	21.4	21.0	20.9	21.3	21.1	21.2
22-Aug-05	10	8:30	2	21.7	21.7	21.5	21.8	21.8	21.6	21.8	20.5	21.6	21.7	21.7	21.7
22-Aug-05	10	8:30	4	21.7	21.7	22.6	21.9	21.8	21.6	21.7	21.7	21.4	21.6	21.7	21.7
22-Aug-05	10	15:10	1	22.0	21.3	21.4	22.1	21.8	22.7	21.2	21.8	21.6	21.8	22.0	21.4
22-Aug-05	10	15:10	3	22.2	21.9	21.3	21.6	21.3	21.7	21.8	21.4	22.9	21.3	21.3	21.7

Date	Day	Time	Rep	Form Sed	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
23-Aug-05	11	8:00	2	23.3	22.6	22.6	23.2	22.6	22.9	23.3	21.0	22.2	22.7	22.9	22.4
23-Aug-05	11	8:00	4	23.3	23.7	23.2	23.2	22.9	22.6	22.2	22.3	22.4	22.5	22.4	22.8
23-Aug-05	11	14:45	1	23.5	22.1	22.4	23.0	23.2	23.4	22.7	22.5	22.2	22.8	22.9	22.2
23-Aug-05	11	14:45	3	23.2	22.8	22.0	22.7	22.4	23.2	22.4	22.1	23.0	22.2	22.1	22.3
24-Aug-05	12	8:30	2	23.1	23.1	23.6	23.4	23.0	23.3	23.0	21.8	22.7	23.0	23.2	23.1
24-Aug-05	12	8:30	4	23.1	23.1	23.9	23.4	23.0	23.4	22.8	22.8	23.0	22.9	22.9	22.9
24-Aug-05	12	15:20	1	22.6	22.5	23.1	23.6	23.5	24.1	23.3	22.5	23.2	23.4	22.7	22.8
24-Aug-05	12	15:20	3	23.6	23.1	22.5	22.9	23.2	23.1	22.2	21.6	23.2	22.5	22.4	3.2
25-Aug-06	13	8:45	2	23.6	23.4	23.0	23.5	23.4	23.7	23.4	22.1	23.1	23.1	23.3	23.4
25-Aug-06	13	8:45	4	23.4	23.6	23.4	23.3	23.4	23.5	23.5	22.9	23.3	23.3	23.3	23.0
25-Aug-06	13	15:15	1	22.7	22.6	22.7	23.1	23.0	23.3	23.0	22.3	22.4	22.7	22.4	22.3
25-Aug-06	13	15:15	3	23.4	22.8	22.0	22.6	23.0	22.8	22.0	21.2	22.8	22.3	22.0	22.2
26-Aug-05	14	8:15	2	24.1	23.7	23.6	24.0	23.8	23.9	23.7	22.4	23.4	23.7	23.9	24.0
26-Aug-05	14	8:15	4	23.9	23.7	24.5	24.0	23.9	24.0	23.4	23.9	23.7	23.6	23.7	23.6
26-Aug-05	14	15:00	1	22.7	22.7	22.9	22.7	23.0	22.9	22.7	23.0	22.7	22.6	22.4	22.9
26-Aug-05	14	15:00	3	22.9	22.5	23.0	22.5	22.9	22.6	22.9	22.5	22.9	22.9	22.7	22.7
27-Aug-05	15	9:30	2	23.4	22.7	23.0	22.7	22.8	23.0	22.9	21.4	22.5	22.7	22.9	22.9
27-Aug-05	15	9:30	4	23.3	22.3	23.6	22.5	22.9	23.2	22.4	22.9	22.6	22.9	22.6	27.7
27-Aug-05	15	15:00	1	22.5	21.0	22.7	23.2	22.8	22.9	22.4	22.1	22.1	22.6	22.3	21.8
27-Aug-05	15	15:00	3	22.7	22.4	21.4	22.8	22.2	22.4	21.6	21.6	22.5	21.0	21.1	22.2
28-Aug-05	16	9:10	2	23.4	23.8	22.9	22.8	23.0	23.1	23.0	21.5	22.6	22.6	22.9	22.8
28-Aug-05	16	9:10	4	23.4	22.4	23.7	22.2	23.0	23.3	22.5	22.9	22.7	22.7	22.8	22.8
28-Aug-05	16	15:40	1	22.5	22.5	22.1	23.3	22.8	23.4	22.0	21.9	22.1	22.4	21.9	21.8
28-Aug-05	16	15:40	3	23.1	22.1	22.1	22.8	22.5	23.5	22.2	21.8	22.7	22.0	21.8	22.4
29-Aug-05	17	8:10	2	23.2	22.4	22.6	22.9	22.6	22.8	22.6	22.5	22.6	22.5	22.6	22.6
29-Aug-05	17	8:10	4	23.1	22.0	23.2	22.4	22.6	23.0	22.0	22.7	22.3	22.4	22.5	22.6
29-Aug-05	17	15:00	1	23.2	22.6	22.7	23.3	23.1	23.5	22.7	22.9	22.7	22.9	22.8	22.7
29-Aug-05	17	15:00	3	23.3	23.0	22.1	22.7	22.8	23.0	22.7	22.3	22.8	22.5	23.3	22.6
30-Aug-05	18	8:00	2	22.5	22.1	21.2	22.0	22.3	22.5	21.8	22.1	21.9	21.6	21.7	22.0
30-Aug-05	18	8:00	4	22.2	21.9	22.2	22.2	21.7	22.2	22.3	22.2	22.1	22.1	22.0	2.2
30-Aug-05	18	15:00	1	22.0	21.4	21.4	22.2	21.9	22.3	21.0	21.4	21.4	21.7	21.4	21.4
30-Aug-05	18	15:00	3	22.4	21.7	20.7	21.5	21.4	22.0	21.6	21.1	21.4	21.3	21.1	21.2
31-Aug-05	19	9:00	2	23.0	22.6	22.4	23.0	22.9	22.7	22.8	22.1	22.7	22.7	22.8	22.6
31-Aug-05	19	9:00	4	22.9	22.8	22.6	22.8	22.8	23.1	22.6	22.3	22.4	22.8	22.8	22.6
31-Aug-05	19	15:10	1	23.3	22.2	21.9	23.2	23.4	22.7	23.0	22.6	22.9	23.1	22.8	22.0
31-Aug-05	19	15:10	3	23.4	22.7	21.8	23.0	23.1	23.3	22.6	22.1	23.0	21.8	21.8	23.0
1-Sep-05	20	7:00	2	22.4	22.5	22.5	22.5	22.7	22.4	22.7	22.0	22.0	22.4	22.4	22.1
1-Sep-05	20	7:00	4	22.6	22.4	22.4	22.6	22.9	22.7	22.8	22.9	22.2	22.6	22.1	22.4
1-Sep-05	20	15:10	1	23.0	22.2	22.2	22.9	22.7	23.1	22.5	22.1	22.1	22.7	22.4	22.4
1-Sep-05	20	15:10	3	23.1	22.6	22.0	22.7	22.4	22.9	22.3	22.1	22.4	22.3	21.8	22.4
2-Sep-05	21	7:20	2	22.3	22.2	22.5	22.5	22.5	22.5	22.1	22.0	22.2	22.3	22.3	22.1
2-Sep-05	21	7:20	4	22.7	22.2	22.4	22.4	22.4	22.2	22.3	21.6	22.1	22.3	22.2	22.4
2-Sep-05	21	15:15	1	23.0	21.9	22.3	22.9	23.0	22.5	22.2	22.2	22.6	22.8	22.4	22.2
2-Sep-05	21	15:15	3	23.2	22.4	22.1	22.5	22.5	22.7	22.1	21.8	22.6	21.9	21.6	22.1
3-Sep-05	22	9:45	2	21.7	21.7	22.4	21.5	21.9	21.6	22.0	21.5	21.9	21.3	21.2	21.7
3-Sep-05	22	9:45	4	21.1	21.5	22.3	21.6	21.3	21.7	21.6	21.8	21.5	22.1	21.9	21.5
3-Sep-05	22	16:30	1	22.8	21.9	22.1	22.8	22.8	23.0	22.2	22.0	22.3	22.6	22.2	22.1
3-Sep-05	22	16:30	3	22.9	22.5	21.8	22.3	22.4	22.7	22.0	21.8	22.4	22.0	21.6	22.3

Date	Day	Time	Rep	Form Sed	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
4-Sep-05	23	8:45	2	23.3	22.7	22.7	23.0	22.7	23.0	22.8	22.9	22.8	22.4	22.5	22.8
4-Sep-05	23	8:45	4	23.1	22.8	21.9	23.0	22.7	23.3	22.5	22.4	22.7	22.7	22.6	22.5
4-Sep-05	23	16:20	1	22.9	22.0	22.1	21.9	22.7	22.8	22.4	22.1	22.1	22.6	22.2	22.3
4-Sep-05	23	16:20	3	22.9	22.5	23.0	22.4	22.4	22.8	22.3	21.9	22.3	22.1	21.8	22.4
6-Sep-05	24	9:00	2	23.4	22.8	22.0	23.1	22.8	23.1	22.9	22.5	22.9	22.2	22.6	23.0
6-Sep-05	24	9:00	4	23.1	22.8	22.8	23.1	22.7	23.3	23.6	23.0	22.7	22.9	22.7	22.7
6-Sep-05	24	14:45	1	23.1	23.0	22.0	22.8	23.2	23.3	22.0	22.8	22.6	22.8	22.6	22.1
6-Sep-05	24	14:45	3	23.3	22.5	21.9	22.5	22.7	22.7	22.2	23.0	22.8	21.9	21.9	22.4
6-Sep-05	25	8:00	2	23.8	23.4	22.7	23.6	23.6	23.8	23.7	23.3	23.6	22.4	23.4	23.6
6-Sep-05	25	8:00	4	23.6	23.5	23.6	23.7	23.4	23.8	23.7	23.6	23.5	23.5	23.6	23.5
6-Sep-05	25	16:05	1	24.2	23.1	23.6	24.1	24.2	24.5	24.2	23.5	24.0	24.1	23.9	23.7
6-Sep-05	25	16:05	3	24.1	23.1	23.6	24.1	24.2	24.1	23.9	23.5	24.3	23.5	23.3	24.1
7-Sep-05	26	8:15	2	23.8	21.6	22.4	23.4	23.1	23.4	23.2	22.9	23.1	22.4	22.8	23.1
7-Sep-05	26	8:15	4	23.4	22.9	23.2	23.3	23.0	23.5	22.9	23.2	22.8	23.1	23.1	23.0
7-Sep-05	26	15:00	1	23.5	21.6	22.4	23.1	23.3	23.8	23.0	22.0	22.8	23.0	22.5	22.4
7-Sep-05	26	15:00	3	23.2	22.9	22.3	23.0	23.0	23.3	22.7	22.1	23.2	21.8	21.7	23.0
8-Sep-05	27	8:00	2	22.8	22.8	22.2	23.0	22.8	23.3	23.1	21.9	22.7	22.1	22.5	22.9
8-Sep-05	27	8:00	4	22.7	23.0	23.1	23.0	22.7	23.3	22.7	22.9	22.8	22.8	22.9	22.7
8-Sep-05	27	14:30	1	22.3	22.1	21.5	22.5	22.6	22.9	21.9	22.3	22.0	22.3	21.8	21.6
8-Sep-05	27	14:30	3	23.1	20.8	21.5	22.1	22.1	22.7	22.2	21.5	22.2	21.0	21.0	22.3
9-Sep-05	28	6:00	1	22.3	22.1	21.7	21.8	21.7	22.0	21.1	21.1	20.9	21.2	20.8	20.6
9-Sep-05	28	6:00	2	23.1	22.7	21.7	22.6	22.6	22.0	22.3	21.7	22.0	21.6	21.7	22.1
9-Sep-05	28	6:00	3	22.2	21.3	20.7	21.5	21.5	21.9	21.0	20.5	21.1	20.1	20.0	21.3
9-Sep-05	28	6:00	4	22.9	22.7	22.6	22.5	22.2	22.9	22.3	22.2	22.1	22.1	22.0	22.1
			Average	**22.8**	**22.4**	**22.4**	**22.5**	**22.5**	**22.6**	**22.4**	**22.2**	**24.2**	**22.3**	**22.1**	**22.1**
			Minimum	20.0	20.0	19.9	2.2	19.9	2.2	19.7	19.9	20.1	20.0	2.3	2.2
			Maximum	24.2	24.5	24.7	24.7	24.2	24.5	24.2	24.1	222.0	24.1	23.9	27.7

Appendix Table 20. Water Chemistry Parameters for *Lumbriculus variegatus* Exposed to Ashland Harbor Sediments, 12 August 2005.
Dissolved Oxygen (mg/L)

Date	Day	Time	Rep	Form Sed	W. Bearskir	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
12-Aug-05	0	7:30	1	7.0	5.4	0.7	0.6	0.7	0.5	6.1	0.6	0.7	3.1	3.3	0.9
12-Aug-05	0	7:30	2	6.8	5.0	0.4	0.7	0.7	0.6	5.7	4.1	3.4	1.9	3.2	1.9
12-Aug-05	0	7:30	3	6.9	5.7	0.5	0.6	0.9	0.6	5.2	0.9	1.6	1.3	4.0	2.4
12-Aug-05	0	7:30	4	7.2	5.8	0.6	0.9	0.6	0.6	5.8	1.2	4.5	1.2	3.5	0.6
12-Aug-05	0	14:20	4	6.4	5.9	1.0	0.5	0.8	0.9	5.5	2.5	5.0	2.0	5.0	0.7
13-Aug-05	1	9:45	2	6.1	5.3	2.5	1.3	0.8	0.9	5.8	3.9	3.6	2.1	4.5	2.0
13-Aug-05	1	9:45	4	5.7	5.5	2.7	0.5	1.5	0.9	5.2	2.0	5.1	1.0	4.9	3.1
13-Aug-05	1	16:15	1	6.2	5.7	4.1	2.6	4.4	1.7	5.9	3.6	5.6	4.8	5.2	4.9
13-Aug-05	1	16:15	3	5.6	6.0	3.0	3.4	1.9	1.9	5.0	4.1	5.3	3.9	4.6	4.9
14-Aug-05	2	9:00	2	5.8	5.8	3.5	0.6	0.9	2.7	5.1	4.5	4.5	4.9	4.8	5.4
14-Aug-05	2	9:00	4	5.6	5.1	2.3	0.5	2.6	2.5	5.1	3.5	4.3	47.0	4.9	4.9
14-Aug-05	2	15:50	1	5.6	5.6	3.4	1.8	5.4	2.5	5.8	3.8	4.4	4.2	4.3	4.6
14-Aug-05	2	15:50	3	4.8	5.5	3.3	1.6	4.1	3.7	5.1	4.1	4.4	3.7	4.9	5.3
15-Aug-05	3	8:10	2	4.7	5.3	3.6	0.6	3.2	2.7	4.5	4.9	3.9	4.3	3.1	4.6
15-Aug-05	3	8:10	4	6.0	5.4	3.3	0.5	1.5	1.4	4.2	3.6	4.1	3.5	3.4	4.1
15-Aug-05	3	15:25	1	5.1	5.9	3.6	2.1	4.3	2.3	5.2	3.8	3.4	3.7	3.8	4.4
15-Aug-05	3	15:25	3	5.4	5.7	3.1	2.1	4.7	2.8	4.7	3.8	3.9	3.4	4.6	4.7
16-Aug-05	4	7:45	2	7.2	7.9	7.3	6.8	7.5	7.4	8.0	4.6	7.7	7.4	7.5	8.1
16-Aug-05	4	7:45	4	5.8	7.8	7.6	7.7	7.8	7.6	8.0	7.8	7.0	7.8	7.8	5.5
16-Aug-05	4	15:10	1	7.1	7.7	7.6	7.5	7.3	7.3	7.2	7.1	7.5	7.4	6.8	7.6
16-Aug-05	4	15:10	3	7.5	7.8	7.5	7.0	7.5	4.0	7.5	7.3	5.2	7.0	7.4	7.6
17-Aug-05	5	8:15	2	6.9	7.4	7.4	6.0	7.3	6.8	7.3	5.7	7.2	7.5	7.2	5.7
17-Aug-05	5	8:15	4	4.9	7.4	6.9	6.7	7.0	6.8	5.4	7.2	7.2	7.3	7.2	7.3
17-Aug-05	5	15:25	1	6.2	5.8	6.8	6.2	6.9	5.9	6.7	6.2	6.9	6.8	6.5	7.0
17-Aug-05	5	15:25	3	7.0	7.1	6.9	6.7	7.1	6.9	6.9	6.8	6.6	6.5	7.1	7.0
18-Aug-05	6	8:00	2	7.1	6.9	6.0	7.4	8.2	7.8	7.9	6.6	7.7	8.3	7.3	4.6
18-Aug-05	6	8:00	4	4.3	7.1	6.9	5.8	6.1	7.2	8.0	8.0	8.2	8.0	7.9	7.7
18-Aug-05	6	15:45	1	7.0	8.4	8.1	7.9	8.2	7.7	7.8	7.9	8.5	8.0	7.5	8.1
18-Aug-05	6	15:45	3	8.4	8.6	8.0	7.5	8.0	7.3	7.7	8.0	7.6	6.9	4.9	8.2
19-Aug-05	7	8:30	2	7.4	7.5	7.7	0.8	7.6	7.6	7.9	6.4	7.7	7.9	7.4	7.7
19-Aug-05	7	8:30	4	2.2	8.0	7.7	7.5	7.8	7.3	8.0	7.9	7.4	7.6	7.7	8.0
19-Aug-05	7	15:40	1	6.4	7.5	7.2	7.1	7.2	7.0	7.5	7.1	7.3	7.2	6.8	7.4
19-Aug-05	7	15:40	3	7.4	7.6	7.3	7.1	7.4	7.3	7.3	5.7	6.8	6.4	6.7	6.9
20-Aug-05	8	8:30	2	7.4	7.5	7.7	6.8	8.2	7.4	7.9	7.4	7.9	7.8	7.7	7.7
20-Aug-05	8	8:30	4	7.6	7.8	7.3	7.7	7.6	7.5	7.8	6.3	7.7	7.9	7.7	8.5
20-Aug-05	8	15:45	1	5.4	7.7	7.3	7.2	7.5	5.6	7.7	6.0	8.0	8.2	7.6	7.8
20-Aug-05	8	15:45	3	7.6	8.1	7.4	7.4	7.7	7.4	7.5	7.3	7.4	6.0	7.8	8.0
21-Aug-05	9	9:00	2	7.4	7.9	8.0	7.5	8.0	8.2	8.2	7.7	7.9	8.0	7.6	8.5
21-Aug-05	9	9:00	4	7.8	7.9	7.9	7.4	7.5	8.1	8.2	7.8	7.5	7.8	8.4	4.4
21-Aug-05	9	15:30	1	5.0	7.9	7.6	7.4	7.7	7.6	7.8	6.2	7.6	7.8	7.4	7.8
21-Aug-05	9	15:30	3	7.7	7.8	7.6	7.5	7.7	7.7	7.6	7.7	7.2	4.2	7.8	7.9

Date	Day	Time	Rep	Form Sed	W. Bearskir	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
22-Aug-05	10	8:30	2	7.4	8.1	8.1	7.5	8.0	8.0	7.6	7.5	7.5	7.8	7.6	8.2
22-Aug-05	10	8:30	4	7.8	8.2	7.5	7.6	7.5	7.8	5.8	8.0	7.8	7.8	7.9	6.1
22-Aug-05	10	15:10	1	5.6	8.0	7.7	8.0	7.7	8.3	7.7	7.5	8.1	7.7	7.3	8.4
22-Aug-05	10	15:10	3	7.3	7.7	7.7	8.0	8.1	7.8	8.4	7.5	6.2	7.7	7.7	7.7
23-Aug-05	11	8:00	2	7.3	8.2	7.8	8.0	8.7	8.3	8.5	8.3	7.6	8.5	7.5	8.4
23-Aug-05	11	8:00	4	6.6	8.4	7.9	7.7	8.0	8.6	8.1	8.3	8.0	8.5	8.1	8.7
23-Aug-05	11	14:45	1	4.7	7.5	8.0	7.1	7.3	8.4	7.6	7.6	8.4	7.7	7.8	7.3
23-Aug-05	11	14:45	3	6.6	6.4	7.5	7.5	7.5	7.8	7.8	7.8	7.0	7.6	6.1	7.7
24-Aug-05	12	8:30	2	7.2	7.6	7.5	7.7	8.0	8.6	8.0	7.7	7.6	7.5	7.7	7.8
24-Aug-05	12	8:30	4	1.5	7.8	7.7	7.3	8.1	7.8	8.3	7.8	7.6	7.9	7.9	7.7
24-Aug-05	12	15:20	1	7.1	7.7	7.5	2.9	7.3	7.0	7.3	7.3	7.3	7.4	7.4	7.6
24-Aug-05	12	15:20	3	6.7	7.6	7.7	7.8	7.4	7.6	7.6	7.5	7.3	7.4	7.6	7.1
25-Aug-06	13	8:45	2	7.2	7.0	7.5	7.3	7.1	7.8	7.3	7.3	7.3	7.5	7.3	7.6
25-Aug-06	13	8:45	4	5.4	7.4	7.4	7.3	7.0	7.6	7.9	7.9	7.1	7.9	7.1	7.6
25-Aug-06	13	15:15	1	7.1	7.4	7.7	7.6	7.9	7.5	8.2	7.3	8.5	7.7	8.2	8.4
25-Aug-06	13	15:15	3	6.4	8.3	7.8	8.1	7.6	8.1	8.3	7.5	8.1	7.5	8.5	8.4
26-Aug-05	14	8:15	2	6.9	7.1	7.2	7.0	7.5	7.6	7.6	7.6	7.3	7.2	6.9	6.9
26-Aug-05	14	8:15	4	7.0	7.3	7.1	6.9	7.4	7.4	7.7	7.2	7.5	7.4	7.4	7.4
26-Aug-05	14	15:00	1	7.3	7.0	7.0	7.0	6.8	7.5	7.4	7.5	6.8	8.4	6.8	8.0
26-Aug-05	14	15:00	3	7.6	6.9	6.7	7.4	7.6	8.3	7.0	6.9	7.4	8.0	7.4	6.7
27-Aug-05	15	9:30	2	6.9	7.2	7.4	7.1	7.4	8.1	7.7	7.7	7.1	7.3	7.0	5.7
27-Aug-05	15	9:30	4	7.1	7.5	6.9	7.2	7.3	7.4	8.0	7.6	7.0	7.2	7.9	7.3
27-Aug-05	15	15:00	1	6.9	7.9	8.0	7.7	8.9	6.5	7.9	7.1	7.8	7.5	7.4	8.1
27-Aug-05	15	15:00	3	7.4	7.8	7.9	8.0	7.7	7.4	8.0	7.5	7.4	7.5	7.9	7.8
28-Aug-05	16	9:10	2	7.0	7.3	7.4	7.0	7.4	7.4	7.8	7.8	7.7	7.6	8.0	6.2
28-Aug-05	16	9:10	4	7.0	7.5	7.1	7.0	7.5	7.4	7.8	7.3	7.2	7.9	8.0	7.8
28-Aug-05	16	15:40	1	7.5	7.9	7.8	7.5	7.7	7.4	7.5	6.7	8.3	7.5	7.6	7.8
28-Aug-05	16	15:40	3	7.5	7.5	7.8	7.7	7.4	7.6	7.6	7.6	7.9	7.3	7.8	7.4
29-Aug-05	17	8:10	2	7.1	7.7	8.2	8.0	8.2	8.1	8.2	8.1	7.1	8.3	8.1	7.8
29-Aug-05	17	8:10	4	7.3	7.8	7.9	7.8	7.8	8.0	8.1	8.2	7.9	8.3	8.2	8.1
29-Aug-05	17	15:00	1	6.8	7.7	7.8	7.0	8.0	8.2	7.8	6.9	8.0	8.3	8.2	7.7
29-Aug-05	17	15:00	3	7.0	8.0	8.0	7.6	8.2	8.0	7.8	7.5	7.9	7.7	7.8	7.5
30-Aug-05	18	8:00	2	7.3	7.5	7.5	7.5	7.6	7.7	7.8	6.7	7.5	8.0	8.0	5.5
30-Aug-05	18	8:00	4	1.4	7.6	7.4	7.1	7.7	7.8	7.6	7.7	7.3	8.1	8.0	7.9
30-Aug-05	18	15:00	1	6.8	7.7	7.8	7.7	8.2	8.1	8.0	7.2	7.9	8.2	8.2	7.8
30-Aug-05	18	15:00	3	6.9	7.5	8.0	8.1	8.1	8.1	8.0	7.7	7.9	7.9	8.0	7.8
31-Aug-05	19	9:00	2	6.9	7.3	7.6	6.7	7.5	8.1	8.1	7.8	6.9	7.4	7.6	7.5
31-Aug-05	19	9:00	4	7.2	7.1	7.1	7.3	7.5	7.3	8.2	7.2	7.6	7.6	7.9	8.0
31-Aug-05	19	15:10	1	6.0	7.6	7.8	7.4	7.4	8.0	7.8	7.3	8.0	7.9	7.2	7.9
31-Aug-05	19	15:10	3	6.6	7.8	7.9	8.0	7.5	7.3	7.4	7.3	7.8	7.6	7.5	8.1
1-Sep-05	20	7:00	2	7.3	7.4	5.5	6.7	8.0	7.1	8.0	7.0	7.7	7.6	7.8	7.2
1-Sep-05	20	7:00	4	6.9	7.0	7.3	6.9	7.6	7.6	7.7	7.0	7.9	7.2	7.9	7.6
1-Sep-05	20	15:10	1	5.9	6.9	8.1	7.1	8.0	8.1	7.6	6.5	7.8	8.2	7.5	8.1
1-Sep-05	20	15:10	3	6.7	7.8	7.7	7.6	7.7	7.6	7.8	7.3	8.0	7.4	7.8	8.0
2-Sep-05	21	7:20	2	7.2	7.6	4.8	6.6	7.4	7.2	7.6	7.3	7.0	7.5	7.4	7.6

Date	Day	Time	Rep	Form Sed	W. Bearskir	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
2-Sep-05	21	7:20	4	7.0	7.6	7.3	7.3	7.5	7.6	7.8	7.6	7.4	7.2	7.5	7.5
2-Sep-05	21	15:15	1	6.3	7.5	7.9	7.5	7.5	6.1	7.7	6.8	7.5	7.4	6.7	8.0
2-Sep-05	21	15:15	3	6.6	7.5	8.0	7.4	7.5	7.4	7.8	7.8	7.4	7.5	7.8	7.2
3-Sep-05	22	9:45	2	7.4	7.6	7.9	7.0	7.7	7.8	7.6	7.6	7.3	7.7	7.2	7.7
3-Sep-05	22	9:45	4	7.5	7.8	7.5	7.5	7.0	7.5	8.0	7.7	7.1	7.3	7.6	7.7
3-Sep-05	22	16:30	1	5.8	7.1	7.4	6.7	7.3	6.1	7.7	7.2	8.3	7.9	7.1	8.0
3-Sep-05	22	16:30	3	7.0	7.8	7.6	7.4	7.6	7.5	7.7	7.6	8.3	7.8	7.8	7.5
4-Sep-05	23	8:45	2	7.0	7.5	7.3	6.6	7.5	8.2	7.8	7.7	7.0	5.1	7.4	8.1
4-Sep-05	23	8:45	4	7.1	7.7	7.8	8.0	7.7	7.4	7.7	7.7	7.7	8.2	7.4	7.8
4-Sep-05	23	16:20	1	5.7	7.6	7.8	7.9	7.0	7.8	7.7	6.5	7.8	7.3	7.0	7.5
4-Sep-05	23	16:20	3	7.0	7.6	7.0	7.5	7.7	7.8	7.8	7.5	7.8	7.8	7.6	7.1
6-Sep-05	24	9:00	2	7.6	7.8	7.8	6.4	7.8	7.8	7.8	7.5	7.2	8.0	7.2	7.4
6-Sep-05	24	9:00	4	7.3	7.5	7.1	7.1	7.4	7.3	7.9	7.4	8.0	7.9	7.5	7.6
6-Sep-05	24	14:45	1	7.0	7.4	8.0	7.6	8.0	7.9	7.2	8.2	7.2	8.0	7.3	8.0
6-Sep-05	24	14:45	3	7.5	7.8	8.1	7.5	8.0	7.4	7.6	7.1	8.4	7.7	7.6	8.0
6-Sep-05	25	8:00	2	7.4	7.9	8.1	6.9	7.9	7.7	8.0	7.5	6.7	7.5	7.4	7.2
6-Sep-05	25	8:00	4	7.5	7.6	7.7	7.5	7.7	7.6	8.1	7.2	7.2	7.9	7.4	7.8
6-Sep-05	25	16:05	1	6.0	7.2	6.9	6.8	6.5	7.1	7.3	6.7	7.0	7.0	7.2	6.7
6-Sep-05	25	16:05	3	6.8	7.1	7.1	7.1	6.8	7.3	7.2	6.1	6.8	7.3	7.4	6.8
7-Sep-05	26	8:15	2	7.5	7.7	8.0	6.8	7.4	7.8	7.5	7.4	6.9	8.0	7.3	7.8
7-Sep-05	26	8:15	4	7.2	7.7	7.5	6.5	7.0	7.2	7.5	7.3	7.5	7.2	7.6	8.0
7-Sep-05	26	15:00	1	6.1	7.5	7.9	7.1	7.3	7.1	7.1	7.0	7.2	7.2	7.6	7.9
7-Sep-05	26	15:00	3	6.5	7.7	7.8	7.2	7.2	7.3	7.4	7.0	6.9	7.2	7.6	7.0
8-Sep-05	27	8:00	2	7.1	7.5	7.4	7.1	8.1	7.3	7.6	7.5	7.3	8.1	7.8	7.4
8-Sep-05	27	8:00	4	7.0	7.2	7.1	7.0	7.5	7.2	7.6	8.1	7.5	7.9	7.7	8.0
8-Sep-05	27	14:30	1	6.5	7.3	7.5	6.3	7.0	7.5	7.6	7.0	7.7	7.8	7.6	7.3
8-Sep-05	27	14:30	3	6.5	7.2	7.2	7.8	6.8	7.4	7.2	4.3	7.9	7.9	5.0	7.6
9-Sep-05	28	6:00	1	6.7	8.0	7.9	5.3	7.0	7.1	6.9	7.5	7.5	7.3	6.7	7.5
9-Sep-05	28	6:00	2	6.7	7.2	7.4	6.7	6.7	7.6	7.1	7.0	7.2	7.1	7.0	7.3
9-Sep-05	28	6:00	3	7.2	7.8	7.8	7.5	7.4	7.4	7.2	7.6	7.5	7.5	7.9	7.4
9-Sep-05	28	6:00	4	7.0	7.1	7.3	7.1	6.8	7.0	7.6	7.0	7.8	7.5	7.7	7.5
			Average	**6.6**	**7.3**	**6.8**	**6.3**	**6.8**	**6.7**	**7.3**	**6.7**	**7.0**	**7.3**	**7.0**	**6.9**
			Minimum	1.4	5.0	0.4	0.5	0.6	0.5	4.2	0.6	0.7	1.0	3.1	0.6
			Maximum	8.4	8.6	8.2	8.1	8.9	8.6	8.5	8.3	8.5	47.0	8.5	8.7

Appendix Table 20. Water Chemistry Parameters for *Lumbriculus variegatus* Exposed to Ashland Harbor Sediments, 12 August 2005.
pH

Date	Day	Time	Rep	Form Sed	*N.* Bearskir	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
12-Aug-05	0	7:30	4	6.73	7.39	7.21	7.12	7.18	7.28	7.58	7.03	7.26	7.16	7.21	6.84
15-Aug-05	3	8:10	4	7.43	7.28	7.23	7.72	6.90	7.22	7.37	7.19	7.32	7.33	7.31	7.28
18-Aug-05	6	8:00	1	7.86	7.98	7.90	8.02	7.92	8.05	7.97	7.81	7.94	8.01	7.96	8.01
20-Aug-05	8	8:30	2	8.03	8.03	8.02	8.23	8.00	8.02	8.09	7.59	7.82	7.99	7.91	7.98
22-Aug-05	10	8:30	3	8.10	8.05	7.93	8.05	7.99	8.21	8.06	7.91	7.74	8.04	7.54	7.86
25-Aug-06	13	8:45	4	8.18	8.09	7.99	8.00	7.97	8.19	8.07	7.96	7.69	8.00	7.60	7.89
27-Aug-05	15	9:30	1	8.01	7.92	7.94	8.04	7.89	7.85	7.99	7.79	8.08	8.07	8.04	8.07
29-Aug-05	17	8:10	2	8.05	8.04	8.00	8.15	7.97	8.11	8.14	7.99	8.08	8.05	8.03	7.73
1-Sep-05	20	7:00	3	7.94	8.00	8.05	7.99	7.88	8.08	8.12	8.11	8.06	8.09	8.18	8.01
3-Sep-05	22	9:45	4	8.08	7.98	7.94	8.21	7.75	8.08	8.18	8.02	8.01	8.05	8.10	8.07
9-Sep-05	28	6:00	4	7.94	7.73	7.80	7.87	7.64	7.98	8.00	7.92	8.00	8.08	8.20	8.00
			Average	**7.9**	**7.9**	**7.8**	**7.9**	**7.7**	**7.9**	**8.0**	**7.8**	**7.8**	**7.9**	**7.8**	**7.8**
			Minimum	6.7	7.3	7.2	7.1	6.9	7.2	7.4	7.0	7.3	7.2	7.2	6.8
			Maximum	8.2	8.1	8.1	8.2	8.0	8.2	8.2	8.1	8.1	8.1	8.2	8.1

Appendix Table 20. Water Chemistry Parameters for *Lumbriculus variegatus* Exposed to Ashland Harbor Sediments, 12 August 2005.
Conductivity (µmhos/cm)

Date	Day	Time	Rep	Form Sed	*N.* Bearskir	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
12-Aug-05	0	7:30	4	187	119	152	398	102	147	117	113	119	206	120	98
18-Aug-05	6	8:00	1	175	110	108	125	104	272	123	122	114	114	115	108
25-Aug-06	13	8:45	4	120	110	110	127	107	181	124	121	113	118	117	113
1-Sep-05	20	7:00	3	151	116	121	143	89	145	119	124	109	135	126	117
9-Sep-05	28	6:00	4	149	109	114	147	107	127	126	119	148	168	142	129
			Average	**156**	**113**	**121**	**188**	**102**	**174**	**122**	**120**	**121**	**148**	**124**	**113**
			Minimum	120	109	108	125	89	127	117	113	109	114	115	98
			Maximum	187	119	152	398	107	272	126	124	148	206	142	129

Appendix Table 20. Water Chemistry Parameters for *Lumbriculus variegatus* Exposed to Ashland Harbor Sediments, 12 August 2005.
Ammonia (ppm)

Date	Day	Time	Rep	Form Sed	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
12-Aug-05	0	7:30	1	0.157	0.588	0.297	8.561	<0.063	3.294	0.311	<0.063	<0.063	<0.063	<0.063	<0.063
9-Sep-05	28	6:00	1	<0.063	0.111	0.096	0.172	<0.063	<0.063	0.114	<0.063	0.078	0.072	<0.063	<0.063
			Average	0.094	0.350	0.197	4.367	<0.063	1.663	0.213	<0.063	0.055	0.052	<0.063	<0.063
			Minimum	<0.063	0.111	0.096	0.172	<0.063	<0.063	0.114	<0.063	<0.063	<0.063	<0.063	<0.063
			Maximum	0.157	0.588	0.297	8.561	<0.063	3.294	0.311	<0.063	0.078	0.072	<0.063	<0.063

Appendix Table 20. Water Chemistry Parameters for *Lumbriculus variegatus* Exposed to Ashland Harbor Sediments, 12 August 2005.
Hardness (mg/L as CaCO3)

Date	Day	Time	Rep	Form Sed	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
12-Aug-05	0	7:30	3	32.4	46.4	65.6	98.8		58.4	52.4					
9-Sep-05	28	6:00	3	71.6	42	45.2	54.8	36.4	55.6	46	48.8	48.4	56.4	53.6	45.6
			Average	52.0	44.2	55.4	76.8	36.4	57.0	49.2	48.8	48.4	56.4	53.6	45.6
			Minimum	32.4	42.0	45.2	54.8	36.4	55.6	46.0	48.8	48.4	56.4	53.6	45.6
			Maximum	71.6	46.4	65.6	98.8	36.4	58.4	52.4	48.8	48.4	56.4	53.6	45.6

Appendix Table 20. Water Chemistry Parameters for *Lumbriculus variegatus* Exposed to Ashland Harbor Sediments, 12 August 2005.
Alkalinity (mg/L as CaCO3)

Date	Day	Time	Rep	Form Sed	W. Bearskin	SQT9	SQT10	SQT11	SQT12	SQT6	SQT2	SQT4	SQT3	SQT5	SQT8
12-Aug-05	0	7:30	2	38.4	42	62	75.6		63.2	54	56.4	55.2	65.6	78.8	52.4
9-Sep-05	28	6:00	2	73.2	46	55.2	54	47.6	54.4	55.6	52.4	60.4	54.8	95.6	50
			Average	55.8	44.0	58.6	64.8	47.6	58.8	54.8	54.4	57.8	60.2	87.2	51.2
			Minimum	38.4	42.0	55.2	54.0	47.6	54.4	54.0	52.4	55.2	54.8	78.8	50.0
			Maximum	73.2	46.0	62.0	75.6	47.6	63.2	55.6	56.4	60.4	65.6	95.6	52.4

APPENDIX 21

Water Chemistry Parameters for Equilibrium Study

Appendix Table 21. Water Chemistry Parameters for Equilibrium Study
Temperature (° C)

Date	Day	Time	Rep	SQT7	SQT8
2-Aug-05	0	8:00	1	23.5	23.6
2-Aug-05	0	8:00	2	23.6	23.7
2-Aug-05	0	8:00	3	23.6	23.7
2-Aug-05	0	8:00	4	23.7	23.7
2-Aug-05	0	8:00	5	23.6	23.7
2-Aug-05	0	8:00	6	23.7	23.7
2-Aug-05	0	8:00	7	23.7	23.6
2-Aug-05	0	8:00	8	23.7	23.6
2-Aug-05	0	16:45	1	23.8	23.9
2-Aug-05	0	16:45	4	23.9	23.9
3-Aug-05	1	8:30	4	23.6	23.6
3-Aug-05	1	8:30	6	23.6	23.7
3-Aug-05	1	15:10	4	23.9	24.0
3-Aug-05	1	15:10	8	23.9	24.0
4-Aug-05	2	8:45	4	23.3	23.3
4-Aug-05	2	8:45	5	23.3	23.1
4-Aug-05	2	15:00	2	23.1	23.1
4-Aug-05	2	15:00	4	23.1	23.1
5-Aug-05	3	8:00	4	19.7	19.8
5-Aug-05	3	8:00	7	19.8	19.7
5-Aug-05	3	15:00	3	22.4	22.4
5-Aug-05	3	15:00	4	22.4	22.5
6-Aug-05	4	9:00	1	23.8	23.9
6-Aug-05	4	9:00	4	23.8	23.9
7-Aug-05	5	7:45	4	23.4	23.4
7-Aug-05	5	7:45	6	23.5	23.4
7-Aug-05	5	15:15	4	23.9	23.9
7-Aug-05	5	15:15	8	23.9	23.9
8-Aug-05	6	9:00	4	23.6	23.7
8-Aug-05	6	9:00	5	23.6	23.6
8-Aug-05	6	15:45	2	23.7	23.7
8-Aug-05	6	15:45	4	23.7	23.7
9-Aug-05	7	9:00	4	23.4	23.4
9-Aug-05	7	9:00	7	23.3	23.5
9-Aug-05	7	14:45	3	24.0	24.1
9-Aug-05	7	14:45	4	24.0	24.0
10-Aug-05	8	7:45	4	23.1	23.1
10-Aug-05	8	7:45	6	23.1	23.1
10-Aug-05	8	15:20	4	23.4	23.5
10-Aug-05	8	15:20	8	23.4	23.5
11-Aug-05	9	6:00	4	21.7	21.7
11-Aug-05	9	6:00	7	21.7	21.8
12-Aug-05	10	6:25	4	23.3	23.3
12-Aug-05	10	6:25	5	23.2	23.4
12-Aug-05	10	14:00	2	22.8	23.2
12-Aug-05	10	14:00	4	22.9	23.2
13-Aug-05	11	9:00	4	21.0	23.0
13-Aug-05	11	9:00	7	20.9	23.0

Date	Day	Time	Rep	SQT7	SQT8
13-Aug-05	11	9:00	3	21.8	21.8
13-Aug-05	11	9:00	4	21.6	22.1
14-Aug-05	12	8:45	1	20.2	20.5
14-Aug-05	12	8:45	4	20.4	20.2
14-Aug-05	12	15:30	4	21.2	21.3
14-Aug-05	12	15:30	5	21.2	21.3
15-Aug-05	13	7:30	4	21.0	22.4
15-Aug-05	13	7:30	6	22.4	22.5
15-Aug-05	13	15:15	4	22.4	23.2
15-Aug-05	13	15:15	8	22.8	22.1
16-Aug-05	14	8:30	4	22.5	22.7
16-Aug-05	14	8:30	5	22.6	22.6
16-Aug-05	14	15:00	2	23.1	23.4
16-Aug-05	14	15:00	4	23.1	23.4
17-Aug-05	15	8:10	4	23.1	23.2
17-Aug-05	15	8:10	7	23.0	23.2
17-Aug-05	15	15:10	3	23.3	23.5
17-Aug-05	15	15:10	4	23.3	23.5
18-Aug-05	16	7:00	1	23.1	23.2
18-Aug-05	16	7:00	4	23.0	23.3
18-Aug-05	16	15:45	4	22.3	22.6
18-Aug-05	16	15:45	5	22.0	22.5
19-Aug-05	17	8:00	4	22.6	22.7
19-Aug-05	17	8:00	6	22.6	22.8
19-Aug-05	17	15:30	4	23.2	23.3
19-Aug-05	17	15:30	8	23.2	23.4
20-Aug-06	18	8:30	4	22.2	23.2
20-Aug-06	18	8:30	5	22.4	23.1
20-Aug-06	18	16:05	2	22.7	22.8
20-Aug-06	18	16:05	4	22.6	22.8
21-Aug-05	19	8:45	4	22.1	22.2
21-Aug-05	19	8:45	7	22.2	22.3
21-Aug-05	19	15:25	3	22.6	22.6
21-Aug-05	19	15:25	4	22.6	22.6
22-Aug-05	20	8:10	1	22.0	22.2
22-Aug-05	20	8:10	4	21.9	22.0
22-Aug-05	20	15:00	2	23.1	23.3
22-Aug-05	20	15:00	4	23.1	23.3
23-Aug-05	21	7:30	4	23.0	22.9
23-Aug-05	21	7:30	6	22.9	23.2
23-Aug-05	21	14:45	4	23.3	23.4
23-Aug-05	21	14:45	8	23.3	23.4
24-Aug-05	22	8:30	4	23.1	23.3
24-Aug-05	22	8:30	5	23.1	23.2
24-Aug-05	22	15:15	2	22.9	22.0
24-Aug-05	22	15:15	4	22.9	23.1
25-Aug-05	23	8:15	4	22.8	22.9
25-Aug-05	23	8:15	7	22.6	23.1
			Average	22.8	23.0
			Minimum	19.7	19.7
			Maximum	24.0	24.1

Appendix Table 21. Water Chemistry Parameters for Equilibrium Study
Dissolved Oxygen (mg/L)

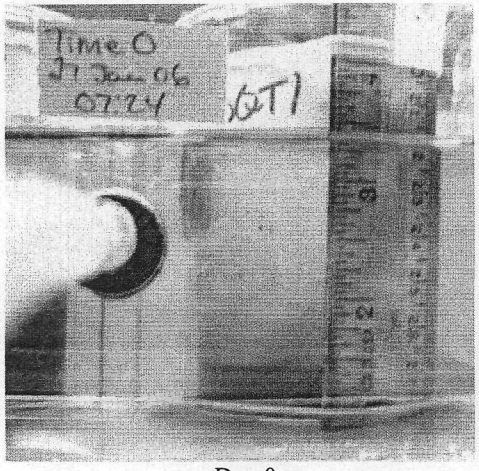
Date	Day	Time	Rep	SQT7	SQT8
2-Aug-05	0	8:00	1	5.0	4.1
2-Aug-05	0	8:00	2	5.0	5.1
2-Aug-05	0	8:00	3	6.7	5.0
2-Aug-05	0	8:00	4	5.4	4.7
2-Aug-05	0	8:00	5	4.5	5.1
2-Aug-05	0	8:00	6	4.1	5.4
2-Aug-05	0	8:00	7	5.4	6.2
2-Aug-05	0	8:00	8	6.5	6.3
2-Aug-05	0	16:45	1	5.9	4.2
2-Aug-05	0	16:45	4	4.7	3.7
3-Aug-05	1	8:30	4	4.5	4.3
3-Aug-05	1	8:30	6	4.2	4.6
3-Aug-05	1	15:10	4	4.5	5.1
3-Aug-05	1	15:10	8	6.3	4.2
4-Aug-05	2	8:45	4	4.3	4.8
4-Aug-05	2	8:45	5	4.3	3.7
4-Aug-05	2	15:00	2	6.2	4.9
4-Aug-05	2	15:00	4	5.3	6.7
5-Aug-05	3	8:00	4	5.1	6.7
5-Aug-05	3	8:00	7	6.5	5.4
5-Aug-05	3	15:00	3	6.8	5.1
5-Aug-05	3	15:00	4	5.6	6.9
6-Aug-05	4	9:00	1	6.4	4.5
6-Aug-05	4	9:00	4	6.0	6.4
7-Aug-05	5	7:45	4	6.2	6.0
7-Aug-05	5	7:45	6	3.4	5.6
7-Aug-05	5	15:15	4	5.2	5.0
7-Aug-05	5	15:15	8	5.5	5.9
8-Aug-05	6	9:00	4	5.3	5.6
8-Aug-05	6	9:00	5	4.5	4.3
8-Aug-05	6	15:45	2	6.4	5.8
8-Aug-05	6	15:45	4	6.1	6.5
9-Aug-05	7	9:00	4	6.9	7.1
9-Aug-05	7	9:00	7	6.8	7.1
9-Aug-05	7	14:45	3	6.7	5.3
9-Aug-05	7	14:45	4	5.9	6.7
10-Aug-05	8	7:45	4	6.5	6.6
10-Aug-05	8	7:45	6	6.1	6.0
10-Aug-05	8	15:20	4	6.8	5.5
10-Aug-05	8	15:20	8	6.1	6.8
11-Aug-05	9	6:00	4	6.6	6.7
11-Aug-05	9	6:00	7	6.9	6.1
12-Aug-05	10	6:25	4	6.4	6.8
12-Aug-05	10	6:25	5	3.7	6.0
12-Aug-05	10	14:00	2	6.9	6.1
12-Aug-05	10	14:00	4	6.8	6.3
13-Aug-05	11	9:00	4	7.4	5.9
13-Aug-05	11	9:00	7	5.6	6.2

Date	Day	Time	Rep	SQT7	SQT8
13-Aug-05	11	9:00	3	6.7	5.8
13-Aug-05	11	9:00	4	7.6	6.2
14-Aug-05	12	8:45	1	6.5	5.7
14-Aug-05	12	8:45	4	7.2	5.9
14-Aug-05	12	15:30	4	6.4	7.1
14-Aug-05	12	15:30	5	3.0	7.0
15-Aug-05	13	7:30	4	6.8	7.1
15-Aug-05	13	7:30	6	3.8	7.3
15-Aug-05	13	15:15	4	6.8	7.0
15-Aug-05	13	15:15	8	6.7	7.1
16-Aug-05	14	8:30	4	7.1	7.3
16-Aug-05	14	8:30	5	3.3	6.8
16-Aug-05	14	15:00	2	7.3	7.0
16-Aug-05	14	15:00	4	6.4	7.1
17-Aug-05	15	8:10	4	6.4	6.6
17-Aug-05	15	8:10	7	6.8	7.0
17-Aug-05	15	15:10	3	7.0	7.1
17-Aug-05	15	15:10	4	6.1	6.8
18-Aug-05	16	7:00	1	6.9	7.4
18-Aug-05	16	7:00	4	5.9	6.9
18-Aug-05	16	15:45	4	6.9	7.1
18-Aug-05	16	15:45	5	6.5	7.7
19-Aug-05	17	8:00	4	6.7	7.1
19-Aug-05	17	8:00	6	7.1	7.5
19-Aug-05	17	15:30	4	7.4	7.1
19-Aug-05	17	15:30	8	7.2	7.1
20-Aug-06	18	8:30	4	8.1	6.5
20-Aug-06	18	8:30	5	7.8	6.9
20-Aug-06	18	16:05	2	7.6	8.0
20-Aug-06	18	16:05	4	7.7	7.9
21-Aug-05	19	8:45	4	7.8	8.0
21-Aug-05	19	8:45	7	7.2	7.8
21-Aug-05	19	15:25	3	8.0	8.2
21-Aug-05	19	15:25	4	7.9	8.1
22-Aug-05	20	8:10	1	8.3	8.3
22-Aug-05	20	8:10	4	7.6	8.4
22-Aug-05	20	15:00	2	7.4	7.5
22-Aug-05	20	15:00	4	7.2	7.5
23-Aug-05	21	7:30	4	6.9	7.0
23-Aug-05	21	7:30	6	7.4	7.6
23-Aug-05	21	14:45	4	7.5	7.9
23-Aug-05	21	14:45	8	7.7	7.9
24-Aug-05	22	8:30	4	7.6	7.7
24-Aug-05	22	8:30	5	5.0	7.4
24-Aug-05	22	15:15	2	7.4	7.8
24-Aug-05	22	15:15	4	7.3	7.6
25-Aug-05	23	8:15	4	7.1	7.4
25-Aug-05	23	8:15	7	7.3	7.9
			Average	6.3	6.4
			Minimum	3.0	3.7
			Maximum	8.3	8.4

APPENDIX 22

Suspended Sediment Photos

SQT1



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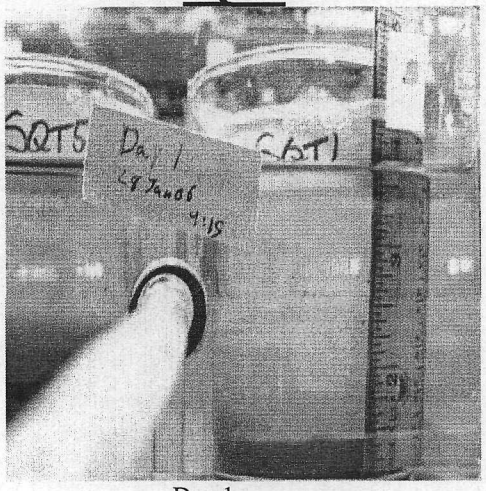

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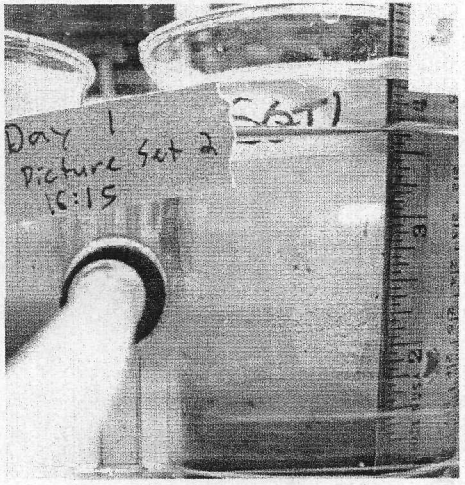

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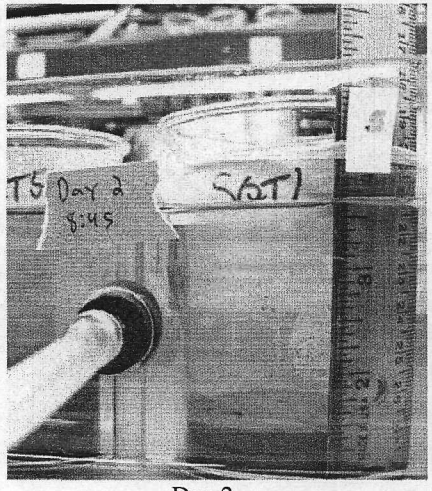

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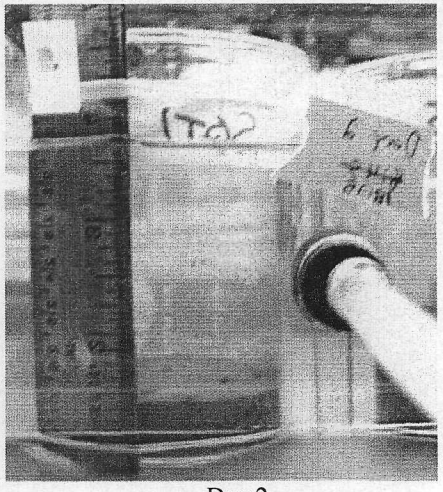

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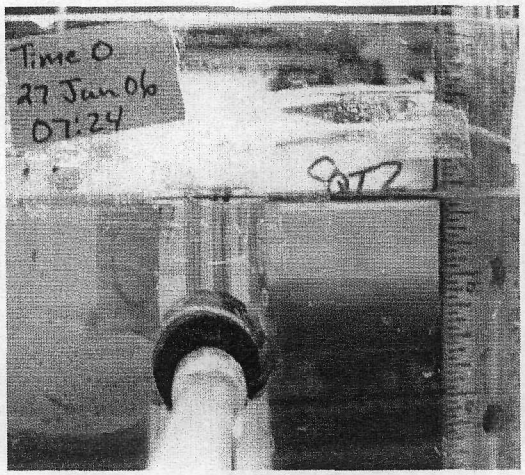
SQT2



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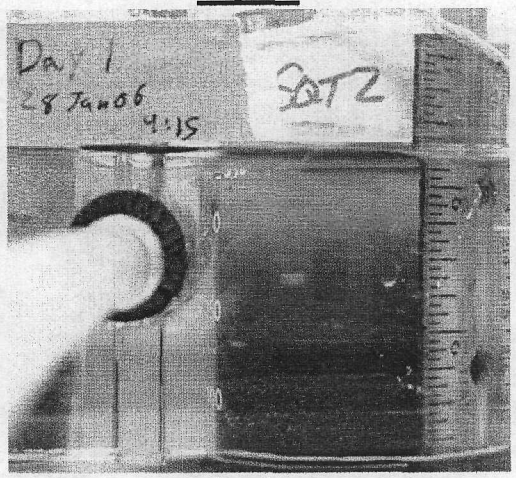

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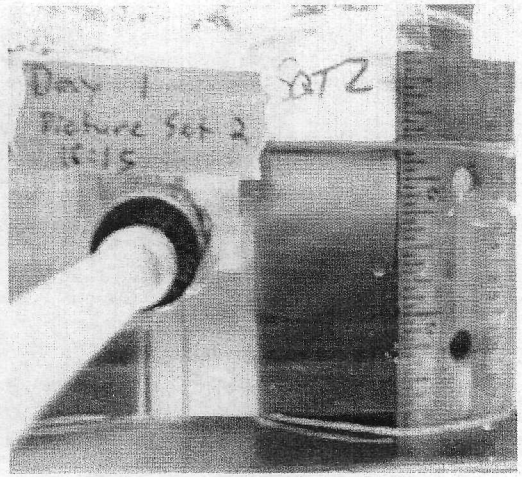

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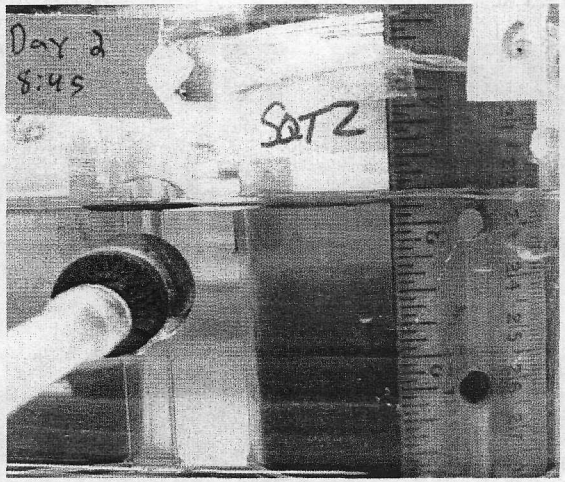

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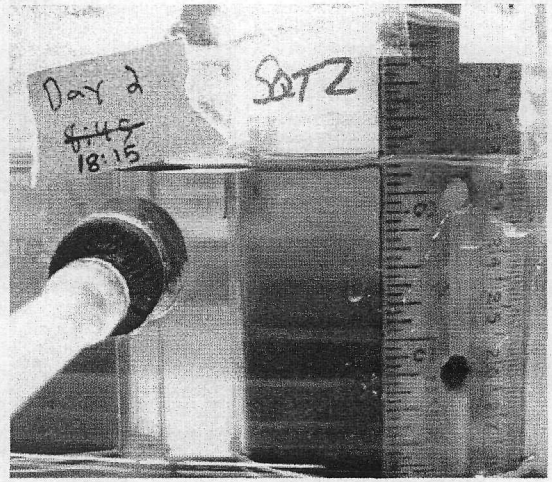

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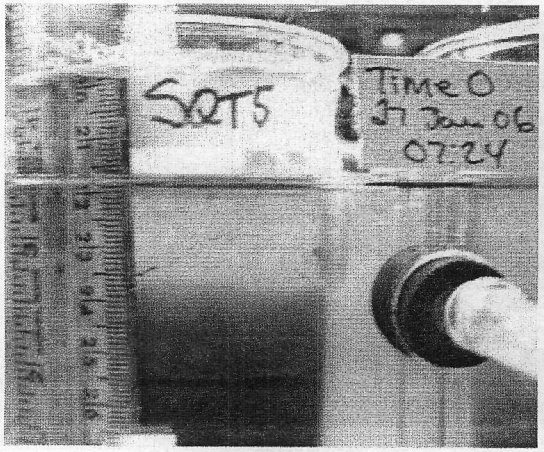
SQT5



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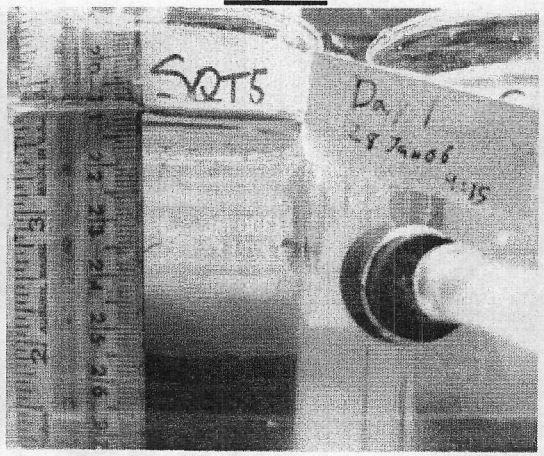

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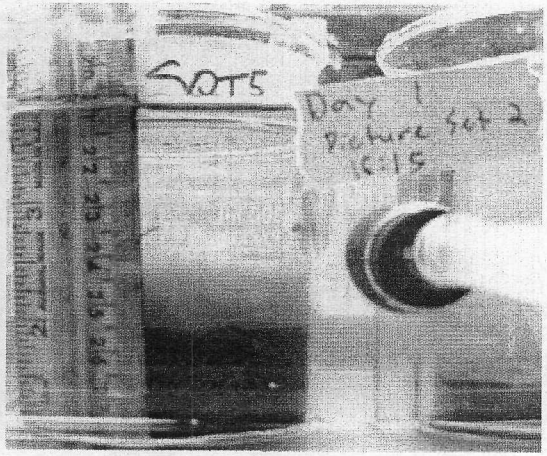

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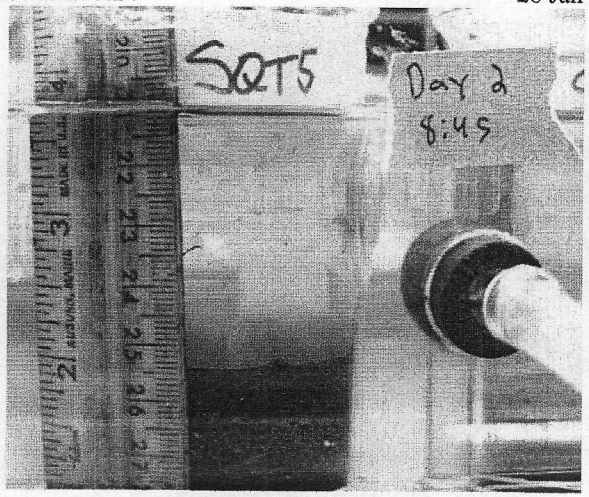

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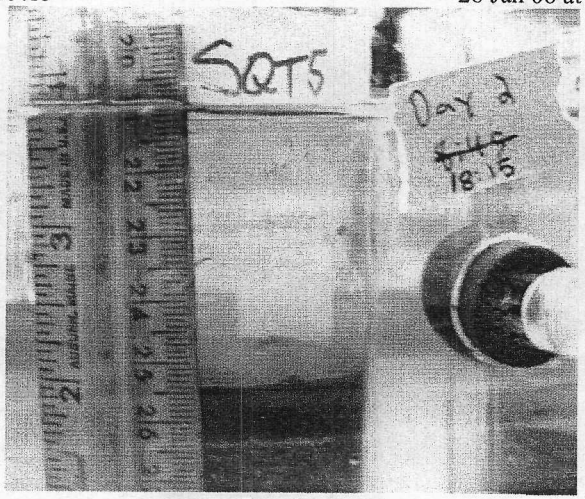

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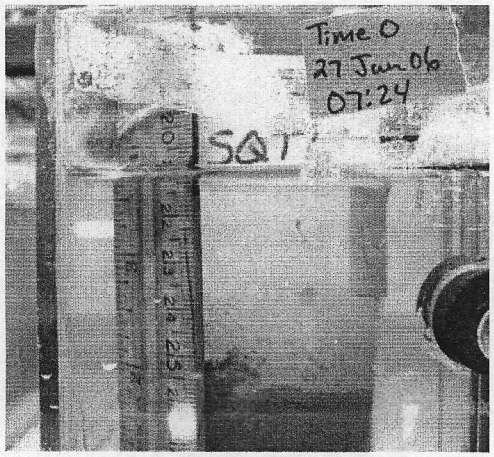
SQT6



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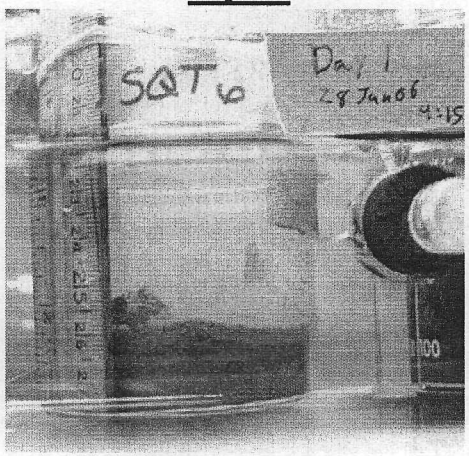

Day 1
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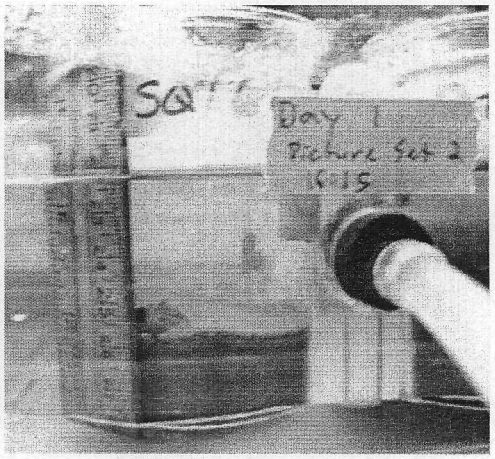

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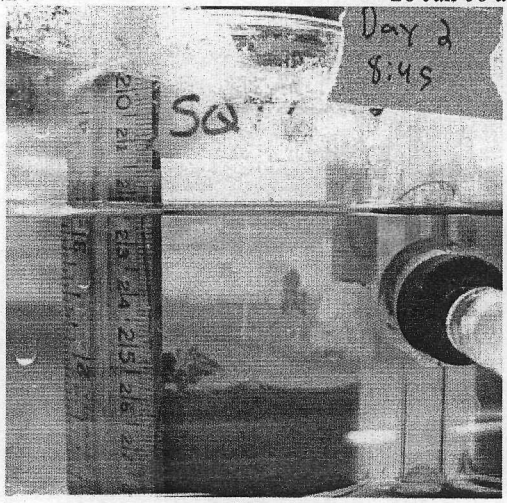
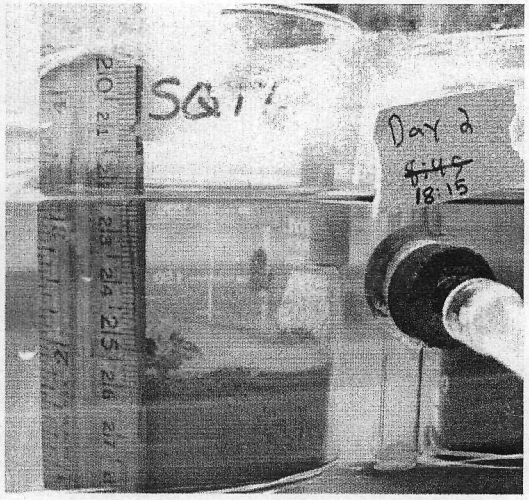


Day 2
29 Jan 06 at 8:45



Day 2
29 Jan 06 at 18:15

APPENDIX 23

Field UV Measurements

Samples collected 31 August 2005

UVA Sunny (microWatts/cm2)

Site SQT2 Time 08:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	928	1219	1046	940	1033.3	134.7
2 cm	815	1117	997	888	954.3	131.8
mid	97.5	105.2	106.4	116	106.3	7.6
bottom	15.1	11.1	15.6	15.6	14.4	2.2

Site SQT2 Time 10:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	2090	2530	2460	2740	2455.0	270.9
2 cm	2350	2130	2100	1967	2136.8	158.8
mid	216	175	193	153	184.3	26.8
bottom	31.1	31.8	31.8	30.8	31.4	0.5

Site SQT2 Time 14:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	3890	3690	3900	3890	3842.5	101.8
2 cm	2888	3000	3010	2760	2914.5	116.9
mid	270	280	284	248	270.5	16.1
bottom	36	37.7	25.4	26.8	31.5	6.3

Site SQT2 Time 16:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	2310	1577	2510	2320	2179.3	411.9
2 cm	2260	2220	2090	1697	2066.8	257.0
mid	102		117	170	129.7	35.7
bottom	0.101		21.8	27.2	16.4	14.3

Site SQT2 Time 18:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	357	341	334	353	346.3	10.6
2 cm	269	274	277	252	268.0	11.2
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

UVB Sunny (microWatts/cm2)

Site SQT2 Time 08:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	159.6	137.2	136.2	150.9	146.0	11.3
2 cm	120.8	116.1	125.7	112.3	118.7	5.8
mid	3.23	3.98	4.05	4.08	3.8	0.4
bottom	0.267	0.24	0.233	0.245	0.2	0.0

Site SQT2 Time 10:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	237	219	226	196.3	219.6	17.2
2 cm	200	205	178.9	162.4	186.6	19.7
mid	6.65	7.04	5.5	4.79	6.0	1.0
bottom	0.662	0.453	0.484	0.473	0.5	0.1

Site SQT2 Time 14:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	367	332	329	333	340.3	17.9
2 cm	284	288	280	247	274.8	18.8
mid	79.2	79.4	79.4	71.4	77.4	4.0
bottom	0.125	0.275	0.112	0.116	0.2	0.1

Site SQT2 Time 16:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	233	256	251	217	239.3	17.8
2 cm	203	199.7	229	199.6	207.8	14.2
mid	4.94	4.61	5.51	4.28	4.8	0.5
bottom	0.05	0.05	0.09	0.14	0.1	0.0

Site SQT2 Time 18:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	75.1	70.5	70.4	69.1	71.3	2.6
2 cm	61	59.4	59.9	54.5	58.7	2.9
mid	2.06	2.12	2.08	1.88	2.0	0.1
bottom	0.01	0.01	0.023	0.036	0.0	0.0

UVA Sunny (microWatts/cm2)

Site SQT1 Time 08:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	1120	1188	1336	1303	1236.8	103.4
2 cm	969	1106	1287	1305	1166.8	159.6
mid	192	153.5	219	241	201.4	37.7
bottom	36	27.7	40.9	41.4	36.5	6.4

Site SQT1 Time 10:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	1344	1543	1938	2400	1806.3	463.5
2 cm	1771	1426	1974	2120	1822.8	303.7
mid	332	392	383	381	372.0	27.1
bottom	72.2	70.8	66.3	56.1	66.4	7.3

Site SQT1 Time 14:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	3650	3340	3280	3340	3402.5	167.4
2 cm	2870	2690	2960	2660	2795.0	143.9
mid	360	370	230	200	290.0	87.6
bottom	0	0	0	0	0.0	0.0

Site SQT1 Time 16:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	2020	1883	1807	1801	1877.8	101.9
2 cm	1412	1497	1434	1334	1419.3	67.3
mid	241	205	216	195.4	214.4	19.7
bottom	30	25.8	14.19	30	25.0	7.5

Site SQT1 Time 18:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	316	256	241	228	260.3	38.9
2 cm	220	203	173	196	198.0	19.5
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

UVB Sunny (microWatts/cm2)

Site SQT1 Time 08:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	149.8	147.5	151	145.4	148.4	2.5
2 cm	144.5	142.1	131.3	136.3	138.6	5.9
mid	10.16	12.2	9.08	10.69	10.5	1.3
bottom	0.799	0.924	0.733	0.709	0.8	0.1

Site SQT1 Time 10:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	223	230	233	201	221.8	14.5
2 cm	189.9	178.9	229	162.3	190.0	28.4
mid	7.26	6.55	12.3	9.18	8.8	2.6
bottom	0.56	0.595	0.551	0.601	0.6	0.0

Site SQT1 Time 14:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	399	389	396	385	392.3	6.4
2 cm	385	335	354	335	352.3	23.6
mid	26.6	30.8	24.4	25	26.7	2.9
bottom	1.323	1.406	1.117	1.176	1.3	0.1

Site SQT1 Time 16:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	190.8	198.1	199.7	191.4	195.0	4.5
2 cm	137.7	160.1	122.6	161.9	145.6	18.9
mid	8.07	6.99	7.56	7.29	7.5	0.5
bottom	0.279	0.267	0.271	0.248	0.3	0.0

Site SQT1 Time 18:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	31.9	32	31.9	30.7	31.6	0.6
2 cm	27.9	27.8	25.4	26.1	26.8	1.2
mid	1.448	0.916	1.296	1.027	1.2	0.2
bottom	0	0	0	0	0.0	0.0

Samples Collected 3 August 05 by MT, HM

UVA Cloudy (microWatts/cm2)

Site SQT1 Time 08:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	804	732	755	710	750.3	40.3
2 cm	378	354	488	502	430.5	75.3
mid	10.8	12.4	9.1	8.7	10.3	1.7
bottom	1	0.9	1.1	0.89	1.0	0.1

Site SQT1 Time 10:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	1973	1991	1993	2130	2021.8	72.7
2 cm	1102	1369	1883	1507	1465.3	325.3
mid	6.96	6.5	6.5	5.5	6.4	0.6
bottom	2.6	2.2	2.6	2.5	2.5	0.2

Site SQT1 Time 14:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	828	781	780	727	779.0	41.3
2 cm	455	624	642	500	555.3	91.9
mid	6.8	4.97	5.9	5.8	5.9	0.7
bottom	0.88	1	0.66	0.66	0.8	0.2

Site SQT1 Time 16:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	2250	2150	2130	2230	2190.0	58.9
2 cm	1513	1865	1983	1491	1713.0	248.5
mid	23.3	32.6	26.6	22	26.1	4.7
bottom	3.1	3.1	2.7	2.7	2.9	0.2

Site SQT1 Time 18:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	300	275	278	272	281.3	12.7
2 cm	214	147.6	236	232	207.4	41.0
mid	1.3	2.96	3.1	3	2.6	0.9
bottom	0.57	6.4	0.4	0.35	1.9	3.0

UVB Cloudy (microWatts/cm2)

Site SQT1 Time 08:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	59.2	70.5	75.1	76.2	70.3	7.8
2 cm	24.7	38.1	57.4	76.2	49.1	22.5
mid	0.04	0.04	0.5	0.2	0.2	0.2
bottom	0.48	0.24	0.5	0.6	0.5	0.2

Site SQT1 Time 10:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	199.3	224	216	231	217.6	13.6
2 cm	81	153.9	80.4	147.7	115.8	40.6
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

Site SQT1 Time 14:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	90	81.7	82	81.1	83.7	4.2
2 cm	61.9	36.4	58.9	48.1	51.3	11.6
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

Site SQT1 Time 16:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	298	283	277	251	277.3	19.6
2 cm	180.5	901	928	198	551.9	418.9
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

Site SQT1 Time 18:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	41.7	37.3	37	34.2	37.6	3.1
2 cm	22.6	23.5	30.9	23.4	25.1	3.9
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

UVA Cloudy (microWatts/cm2)

Site SQT2 Time 08:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	1144	1147	1172	1194	1164.3	23.5
2 cm	808	753	706	821	772.0	53.0
mid	3.45	3.67	3.5	3.78	3.6	0.2
bottom	0.2	0.18	0.2	0.265	0.2	0.0

Site SQT2 Time 10:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm						
2 cm						
mid						
bottom						

Site SQT2 Time 14:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	928	1075	1088	1044	1033.8	72.9
2 cm	621	729	827	717	723.5	84.2
mid	2.5	2.4	2.94	3	2.7	0.3
bottom	0.14	0.16	0.15	0.15	0.2	0.0

Site SQT2 Time 16:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	1959	1944	1823	1444	1792.5	240.2
2 cm	933	1260	7850	1233	2819.0	3357.3
mid	8.7	5.8	5.7	5.7	6.5	1.5
bottom	0.13	0.19	0	0.1	0.1	0.1

Site SQT2 Time 18:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	175.1	168.1	165.6	150.5	164.8	10.4
2 cm	11.5	12.6	125.6	75.8	56.4	55.1
mid	0.8	0.4	0.7	0.6	0.6	0.2
bottom	0	0.1	0	0	0.0	0.1

UVB Cloudy (microWatts/cm2)

Site SQT2 Time 08:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	153.4	163.7	158.3	170.5	161.5	7.3
2 cm	92.5	86.5	66.7	37.1	70.7	25.0
mid	0.06	0	0	0.27	0.1	0.1
bottom	0.2	0.6	0	0	0.2	0.3

Site SQT2 Time 10:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	242	241	240	239	240.5	1.3
2 cm	131.7	92.7	11.6	96.9	83.2	50.8
mid	0.15	0	0	0	0.0	0.1
bottom	0	0	0	0	0.0	0.0

Site SQT2 Time 14:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	74	82.4	83.8	87.9	82.0	5.8
2 cm	31.1	41.1	58.3	47.2	44.4	11.4
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

Site SQT2 Time 16:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	178	145.8	141.8	134	149.9	19.4
2 cm	16.9	71.9	84.5	62	58.8	29.4
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

Site SQT2 Time 18:00

Depth	Reading 1	Reading 2	Reading 3	Reading 4	AVG	STD
0 cm	9.1	6.8	7	6.9	7.5	1.1
2 cm	3.9	3.4	4	4.3	3.9	0.4
mid	0	0	0	0	0.0	0.0
bottom	0	0	0	0	0.0	0.0

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
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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: 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
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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: 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%				

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
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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: 90417
NLS Customer: 91206

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%				

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%				

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%				

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

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

NLS Project: 90418
NLS Customer: 91206
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
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ANALYTICAL REPORT

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

NLS Project: 90418
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 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 [illegible]E 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-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.

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ANALYTICAL REPORT

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

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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

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-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

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

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%				

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%				

Customer: URS Corporation (Milwaukee) **NLS Project: 90420**

Project Description: Xcel Ashland Surface Water Samples

Project Title: **Template: SAT2NSP Printed: 07/18/2005 16:23**

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

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 77061

CLIENT	URS CORPORATION
ADDRESS	10200 INNOVATION DR, SUITE 500
CITY / STATE / ZIP	MILWAUKEE / WI / 53226
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PAUL SKLAR
PHONE	414 831 4100
PURCHASE ORDER NO.	
FAX	414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS: SVOCs/PAHs; METALS; CYANIDE; VOCs; TOTAL SUSPENDED SOLIDS; TURBIDITY

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	SVOCs/PAHs	METALS	CYANIDE	VOCs	TOTAL SUSPENDED SOLIDS	TURBIDITY	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375121	NSP-SE-SQFIELDBLANK01-0605	6/16/05	8:00	OTHER	X	X	X	X			FIELD BLANK
2.	375122	NSP-SQEQPTBLANK-0605	6/16/05	7:15	OTHER	X						CORE EQUIP. BLANK
3.	375123	NSP-SQEQPTBLANK-0505	6/15/05	10:40	OTHER	X	X	X	X			PUMP EQUIP BLANK
4.	375124	NSP-SQEQPTBLANK-0405	6/14/05	15:33	OTHER	X	X	X	X			PUMP EQUIP BLANK
5.	375125	NSP-SW-ADUP2-0605	6/13/05	15:40	SW					X	X	2 BOTTLES
6.	375126	NSP-SW-ADUP4-0605	6/13/05	15:42	SW					X	X	2 BOTTLES
7.	375127	NSP-SW-ADUP6-0605	6/13/05	15:44	SW					X	X	2 BOTTLES
8.	375128	NSP-SW-ADV-0605	6/13/05	15:46	SW					X	X	2 BOTTLES
9.	375129	NSP-SE-SQTRIPBLANK-0605	6/10/05	8:00	OTHER							TRIP BLANK
10.												

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 6/13/05 – 6/16/05
RELINQUISHED BY (signature) 6/16/05 15:00	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
ATTN: PAUL SKLAR
URS CORPORATION

INVOICE TO
URS CORPORATION

RECEIVED AT NLS BY (signature)	DATE/TIME 6-17-05 10:15	CONDITION Good	TEMP. On ICE
COOLER # 54-3	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

CLIENT	URS CORPORATION
ADDRESS	10200 INNOVATION DR.; SUITE 500
CITY / STATE / ZIP	MILWAUKEE WI 53226
PROJECT DESCRIPTION / NO.	Surface Water Samples
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL SKLAR
PHONE	414 831 4100
PURCHASE ORDER NO.	
FAX	414 831 4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 77064

ITEM NO.	NLS LAB ID	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: 5VOC	DOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375186	NSP-SW-EPA07-0605-MED-FIL	6/17/05	1645	SW	X	X		
2.	375187	NSP-SW-EPA07-0605-MED-FIL	6/17/05	1700	SW			X	
3.	375188	NSP-SW-EPA07-0605-MED-UNFIL	6/17/05	1645	SW	X			
4.	375189	NSP-SW-EPA07-0605-MED-UNFIL	6/17/05	1700	SW			X	
5.	375190	NSP-SW-EPA07-0605-NB-FIL	6/17/05	1645	SW	X	X		
6.	375191	NSP-SW-EPA07-0605-NB-FIL	6/17/05	1700	SW			X	
7.	375192	NSP-SW-EPA07-0605-NB-UNF	6/17/05	1645	SW	X			
8.	375193	NSP-SW-EPA07-0605-NB-UNF	6/17/05	1700	SW			X	
9.		NSP-SW-MS/MSD-EPA07-0605-NB-UNF	6/17/05	1645	SW	X			MS/MSD
10.	375194	NSP-SW-EPA06-0605-NB-UNF	6/17/05	1615	SW	X			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/18/05 1430
DISPATCHED BY (signature)	METHOD OF TRANSPORT: NLS Courier	DATE/TIME 6/18/05 1430

RECEIVED AT NLS BY (signature)	DATE/TIME 6-18-05 17:00	CONDITION Good	TEMP. On ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO: URS CORP ATTN: PAUL SKLAR

INVOICE TO: URS CORPORATION

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 77066

CLIENT	
ADDRESS	
CITY	STATE ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	LAB USE ONLY	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC	DOC	VOC										COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375195	NSP SW-ERA06-0605-NB-UNF	6/17/05	1600	SW				X									
2.	375196	NSP-SW-ERA06-0605-NB FIL	6/17/05	1615	SW		X	X										
3.	375197	NSP-SW-ERA06-0605-NB-FIL	6/17/05	1600	SW				X									
4.	375198	NSP SW-ERA06-0605-MID FIL	6/17/05	1615	SW		X	X										
5.	375199	NSP-SW-ERA06-0605-MIDFIL	6/17/05	1600	SW				X									
6.	375200	NSP SW-ERA06-0605-MID-UNF	6/17/05	1615	SW		X											
7.	375201	NSP SW-ERA06-0605-MID-UNF	6/17/05	1600	SW				X									
8.	375202	NSP SW-ERA06-0605-MID-FIL	6/17/05	1730	SW		X	X										
9.	375203	NSP-SW-ERA06-0605-MID-FIL	6/17/05	1745	SW				X									
10.	375204	NSP SW ERA06 0605 MID-UNF	6/17/05	1730	SW		X											

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
6/18/05 1430		
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME
	NLS Courier	6/18/05 1430

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
	6-18-05 17:00	Good	on ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
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IMPORTANT:
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 77067

CLIENT		
ADDRESS		
CITY	STATE	ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.	
DNR FID #	DNR LICENSE #	
CONTACT	PHONE	
PURCHASE ORDER NO.	FAX	

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS: SVOC, DOC, VOC

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	SVOC	DOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375205	NSP SW [illegible]	6/17/05	1745	SW			X	
2.	375206	NSP SW WQ -F.B. 01-0605-	6/17/05	1730	SW	X			Field Blank
3.	375207	NSP SW WQ F.B 01-0605- MID	6/17/05	1745	SW			X	Field Blank
4.	375208	NSP SW WQ DUP01-0605-	6/17/05	1615	SW	X			DUP
5.	375209	NSP-SW-WQ DUP02-0605-	6/17/05	1600	SW			X	DUP
6.	375210	NSP SW WQ DUP 01-0605 FIL	6/17/05	1460	SW	X	X		DUP
7.	375211	NSP SW WQ DUP 01-0605 FIL	6/17/05	1455	SW			X	DUP
8.	375212	NSP SW - WQ - F.B 01-0605- FIL	6/17/05	1245	SW	X	X		Field Blank
9.	375213	NSP-SW-WQ-F.B.01-0605 FIL	6/17/05	1250	SW			X	Field Blank
10.	375214	NSP-SW [illegible]	6/17/05	1325	SW	X			

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature) 6/18/05 1430	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT NLS Transport	DATE/TIME 6/18/05 1430

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-18-05 17:00	CONDITION Good	TEMP. On ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
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HA = hydrochloric & ascorbic acid
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IMPORTANT:

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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLES LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

CLIENT	
ADDRESS	
CITY / STATE / ZIP	
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

MATRIX:
SW = surface water
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DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 77069

ITEM NO.	NLS LABEL NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC	DOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375215	NSP-SW-ERA01-0605-NB-UNF	6/17/05	1345	SW			X	
2.	375216	NSP-SW-ERA01-0605-MID-UNF	6/17/05	1300	SW		X		
3.	375217	NSP-SW-ERA01-0605-MID-UNF	6/17/05	1310	SW			X	2 VOC vials
4.	375218	NSP-SW-ERA01-0605-MID-FIL	6/17/05	1300	SW		X	X	
5.	375219	NSP-SW-ERA01-0605-MID-FIL	6/17/05	1310	SW			X	*
6.	375220	NSP-SW-ERA01-0605-NB-FIL	6/17/05	1325	SW		X	X	
7.	375221	NSP-SW-ERA01-0605-NB-FIL	6/17/05	1335	SW			X	
8.	375222	NSP-ERA01-0605-NB-UNF	6/17/05	1530	SW		X		
9.	375223	NSP-SW-ERA05-0605-NB-UNF	6/17/05	1578	SW			X	
10.	375224	NSP-SW-ERA-05-0605-NB-FIL	6/17/05	1530	SW		X	X	

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 6/18/05 1430
DISPATCHED BY (signature)	METHOD OF TRANSPORT NLS Courier	DATE/TIME 6/18/05 1430

REPORT TO

INVOICE TO

RECEIVED AT NLS BY (signature)	DATE/TIME 6-18-05 17:00	CONDITION Good	TEMP. On ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
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HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NO. 77070

CLIENT	
ADDRESS	
CITY	STATE ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: SVOC	DOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375225	NSP-SW-ERMS-0605-NB-FIL	6/17/05	1538	SW			X	
2.	375226	NSP-SW-ERMS-0605-MID-FIL	6/17/05	1530	SW	X	X		
3.	375227	NSP-SW-ERMS-0605-MID-FIL	6/17/05	1538	SW			X	
4.	375228	NSP-SW-ERMS-0605-MID-UNF	6/17/05	1530	SW	X			
5.	375229	NSP-SW-ERMS-0605-MID-UNF	6/17/05	1538	SW			X	
6.		NSP-SW-MS/MSD-ERMS-0605-MID-UNF	6/17/05	1530	SW	X			MS/MSD
7.	375230	NSP-SW-ERM-04-0605-MID-UNF	6/17/05	1440	SW	X		X	
8.	375231	NSP-SW-ERM04-0605-MID-FIL	6/17/05	1440	SW	X	X	X	
9.	375232	NSP-SW-ERM04-0605-NB-UNF	6/17/05	1500	SW	X		X	
10.	375233	NSP-SW-ERM-04-0605-NB-FIL	6/17/05	1450	SW	X	X		

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
6/18/05 1430		
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME
Thomas R Riele	NLS Courier	6/18/05 1430

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
	6-18-05 17:00	Good	on ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO

INVOICE TO

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
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4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 77071

CLIENT	
ADDRESS	
CITY	STATE ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

MATRIX
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB NO	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: 510C	DOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375235	NSP-SW-ERA04-0605-NB-FIL	6/17/05	1440	SW			X	
2.	375236	NSP-SW-ERA03-0605-NB-UNF	6/17/05	1420	SW	X		X	
3.	375237	NSP-ERA 03 0605- NB -FIL	6/17/05	1420	SW	X	X	X	
4.	375238	NSP-SW-ERA-03-0605-MID-FIL	6/17/05	1420	SW	X	X	X	
5.	375239	NSP-SW-ERA-03-0605-MID-UNF	6/17/05	1420	SW	X		X	
6.	375240	NSP-SW-ERA02-0605-MID-FIL	6/17/05	1400	SW	X	X	X	
7.	375241	NSP-SW-ERA02-0605-MID-UNF	6/17/05	1400	SW	X		X	
8.	375242	NSP-SW-HHERA01-0605-UNF	6/18/05	910	SW	X	X	X	
9.	375243	NSP SW-DUP ERA03-0605-UNF	6/18/05	920	SW	X	X	X	DUP
10.	375244	NSP SW-HHERA02-0605-UNF	6/18/05	940	SW	X	X	X	

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature) 6/18/05 1430	DATE/TIME
DISPATCHED BY (signature) Thomas R Rhody	METHOD OF TRANSPORT NLS Courier	DATE/TIME 6/18/05 1430

RECEIVED AT NLS BY (signature)	DATE/TIME 6-18-05 17:00	CONDITION Good	TEMP. On ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO

INVOICE TO

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
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IMPORTANT:
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4. PARTIES COLLECTING SAMPLE LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

Fot 8

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

CLIENT	
ADDRESS	
CITY	STATE / ZIP
PROJECT DESCRIPTION / NO.	QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	PHONE
PURCHASE ORDER NO.	FAX

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

NO. 77072

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	SVOC	DOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375245	NSP-SW-HHRA03-0605-UNF	6/18/05	1000	SW	X	X	X	
2.	375246	NSP-SW-NQF.B.03-0605-UNF	6/18/05	0845	SW	X	X	X	Field Blank
3.	375247	NSP-SW-HHRA04-0605-UNF	6/18/05	1010	SW	X	X	X	
4.	375248	NSP-SW-DUP04-0605-UNF	6/18/05	1020	SW	X	X	X	DUP
5.	375249	NSP-SQE.B.07-0605-	6/18/05	1200	SW	X			Equipment Blank
6.	375250	NSP-SW-AQF.B.04-UNF	6/18/05	1130	SW	X	X	X	Field Blank
7.	375251	NSP-SW-MURA05-0605-UNF	6/18/05	1030	SW	X	X	X	
8.	375252	NSP-SW-HHRA06-0605-UNF	6/18/05	1045	SW	X	X	X	
9.	375253	NSP-SW-HHRA07-0605-UNF	6/18/05	1100	SW	X	X	X	
10.	375254	NSP-SW-HHRA08-0605-UNF	6/18/05	1115	SW	X	X	X	

COLLECTED BY (signature) [signature]	CUSTODY SEAL NO. (IF ANY) —	DATE/TIME
RELINQUISHED BY (signature) [signature]	RECEIVED BY (signature) 6/18/05 1430	DATE/TIME
DISPATCHED BY (signature) Thomas P. Riley	METHOD OF TRANSPORT NLS Courier	DATE/TIME 6/18/05 1430

RECEIVED AT NLS BY (signature) [signature]	DATE/TIME 6-18-05 17:00	CONDITION Good	TEMP. on ICE
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO

INVOICE TO

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE LISTED AS REPORT TO AND LISTED AS INVOICE TO AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

8 of 8

CLIENT		
ADDRESS		
CITY	STATE	ZIP
PROJECT DESCRIPTION / NO.		QUOTATION NO.
DNR FID #	DNR LICENSE #	
CONTACT	PHONE	
PURCHASE ORDER NO.	FAX	

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

NO. 77073

ITEM NO.	NLS LAB NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	5 VOC	DOC	VOC	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	375234	NSP-SW-WW T.B.01-0605	6/18/05	1400	SW			+	
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
6/18/05 1430		
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME
	NLS Courier	6/18/05 1430

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
	6-18-05 17:00	Good	On ICE
COOLER #	REMARKS & OTHER INFORMATION		
PRESERVATIVE: N = nitric acid OH = sodium hydroxide NP = no preservative Z = zinc acetate HA = hydrochloric & ascorbic acid S = sulfuric acid M = methanol H = hydrochloric acid	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

REPORT TO

INVOICE TO

IMPORTANT
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL / CLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

... AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE

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: 94479
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: High Energy Surface Water Samples

PO # 25688375.500

NSP-SW-HHRA3-11/05UNF MS/MSD NLS ID: 391655
Ref. Line 1 COC 82216 NSP-SW-HHRA3-11/05UNF MS/MSD Matrix: SW
Collected: 11/15/05 10:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	2.1	mg/L	1	0.54	1.7	12/01/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/18/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/29/05	SW846 8270C	721026460

NSP-SW-DUP02-11/05UNF NLS ID: 391656
Ref. Line 2 COC 82216 NSP-SW-DUP02-11/05UNF Matrix: SW
Collected: 11/14/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	3.7	mg/L	1	0.54	1.7	12/01/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/18/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/29/05	SW846 8270C	721026460

NSP-SW-HHRA1-11/05-UNF NLS ID: 391657
Ref. Line 3 COC 82216 NSP-SW-HHRA1-11/05-UNF Matrix: SW
Collected: 11/14/05 16:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[1.4]	mg/L	1	0.54	1.7	12/01/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/18/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/29/05	SW846 8270C	721026460

NSP-SW-HHRA2-11/05-UNF NLS ID: 391658
Ref. Line 4 COC 82216 NSP-SW-HHRA2-11/05-UNF Matrix: SW
Collected: 11/14/05 16:15 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[0.75]	mg/L	1	0.54	1.7	12/01/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/18/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/29/05	SW846 8270C	721026460

Trip Blank NLS ID: 391659
Ref. Line 5 COC 82216 Trip Blank Matrix: TB
Collected: 11/14/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/18/05	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: 94479
NLS Customer: 91206

Fax: 414 831 4101 **Phone: 414 831 4100**
PO # 25688375.500

Project: **High Energy Surface Water Samples**

SW-ERA01-1105-MID-FIL NLS ID: 391660
Ref. Line 1 COC 82205 SW-ERA01-1105-MID-FIL Matrix: SW
Collected: 11/14/05 11:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/01/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/18/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/29/05	SW846 8270C	721026460

SW-ERA01-1105-NB-FIL NLS ID: 391661
Ref. Line 2 COC 82205 SW-ERA01-1105-NB-FIL Matrix: SW
Collected: 11/14/05 11:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/01/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/18/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/29/05	SW846 8270C	721026460

SW-ERA01-1105-MID-UNF NLS ID: 391662
Ref. Line 3 COC 82205 SW-ERA01-1105-MID-UNF Matrix: SW
Collected: 11/14/05 13:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/18/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/29/05	SW846 8270C	721026460

SW-ERA01-1105-NB-UNF NLS ID: 391663
Ref. Line 4 COC 82205 SW-ERA01-1105-NB-UNF Matrix: SW
Collected: 11/14/05 11:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/18/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/29/05	SW846 8270C	721026460

Trip Blank NLS ID: 391664
Ref. Line 5 COC 82205 Trip Blank Matrix: TB
Collected: 11/14/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/18/05	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: 94479 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/02/2005 13:23**

Sample: 391655 **NSP-SW-HHRA3-11/05UNF MS/MSD** **Collected: 11/15/05** **Analyzed: 11/29/05 -**

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	[1.3]	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**)	26%				
Nitrobenzene-d5 (SURR**)	72%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	44%				

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: 94479 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/02/2005 13:23**

Sample: 391656 **NSP-SW-DUP02-11/05UNF** **Collected: 11/14/05** **Analyzed: 11/29/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	[1.1]	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	[1.1]	ug/L	1	1.1	3.5
2-Methylnaphthalene	[1.2]	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	[1.8]	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**)	74%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	69%				

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: 94479 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/02/2005 13:23**

Sample: 391657 **NSP-SW-HHRA1-11/05-UNF** **Collected: 11/14/05** **Analyzed: 11/29/05 -**

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	[1.1]	ug/L	1	1.1	3.5
2-Methylnaphthalene	[1.2]	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	[1.8]	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**)	26%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	53%				

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: 94479 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP Printed: 12/02/2005 13:23**

Sample: 391658 NSP-SW-HHRA2-11/05-UNF **Collected: 11/14/05** **Analyzed: 11/29/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	[1.1]	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	[1.1]	ug/L	1	1.1	3.5
2-Methylnaphthalene	[1.1]	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	[1.8]	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**)	26%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	53%				

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: 94479 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/02/2005 13:23**

Sample: 391660 **SW-ERA01-1105-MID-FIL** **Collected: 11/14/05** **Analyzed: 11/29/05 -**

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**)	70%				
2-Fluorobiphenyl (SURR**)	69%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	50%				

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: 94479 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/02/2005 13:23**

Sample: 391661 **SW-ERA01-1105-NB-FIL** **Collected: 11/14/05** **Analyzed: 11/29/05 -**

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**)	80%				
2-Fluorobiphenyl (SURR**)	74%				
2,4,6-Tribromophenol (SURR**)	87%				
Terphenyl-d14 (SURR**)	52%				

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: 94479 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/02/2005 13:23**

Sample: 391662 **SW-ERA01-1105-MID-UNF** **Collected: 11/14/05** **Analyzed: 11/29/05 -**

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**)	24%				
Nitrobenzene-d5 (SURR**)	69%				
2-Fluorobiphenyl (SURR**)	67%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	67%				

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: 94479 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/02/2005 13:23**

Sample: 391663 **SW-ERA01-1105-NB-UNF** **Collected: 11/14/05** **Analyzed: 11/29/05 -**

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**)	40%				
Phenol-d5 (SURR**)	26%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	86%				
Terphenyl-d14 (SURR**)	80%				

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: 94479 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/02/2005 13:23**

Sample: 391655 NSP-SW-HHRA3-11/05UNF MS/MSD **Collected: 11/15/05** **Analyzed: 11/18/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	0.74	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.46]	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	[0.17]	ug/L	1	0.16	0.52
1,3,5-Trimethylbenzene	ND	ug/L	1	0.15	0.49
meta,para-Xylene	[0.44]	ug/L	1	0.35	1.2
1,2,3-Trimethylbenzene	ND	ug/L	1	0.21	0.68
Dibromofluoromethane (SURR**)	99%				
Toluene-d8 (SURR**)	106%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

Sample: 391656 NSP-SW-DUP02-11/05UNF **Collected: 11/14/05** **Analyzed: 11/18/05 -**

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	[0.35]	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	[0.23]	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**)	99%				
Toluene-d8 (SURR**)	106%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94479 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: SAT2NSP Printed: 12/02/2005 13:23**

Sample: 391657 **NSP-SW-HHRA1-11/05-UNF** **Collected: 11/14/05** **Analyzed: 11/18/05 -**

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	[0.34]	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**)	105%				
Toluene-d8 (SURR**)	107%				
1-Bromo-4-Fluorobenzene (SURR**)	103%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

Sample: 391658 **NSP-SW-HHRA2-11/05-UNF** **Collected: 11/14/05** **Analyzed: 11/18/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.18]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.34]	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**)	107%				
Toluene-d8 (SURR**)	103%				
1-Bromo-4-Fluorobenzene (SURR**)	101%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94479 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP** **Printed: 12/02/2005 13:23**

Sample: 391659 **Trip Blank** **Collected: 11/14/05** **Analyzed: 11/18/05 -**

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**)	101%				
Toluene-d8 (SURR**)	107%				
1-Bromo-4-F uorobenzene (SURR**)	99%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

Sample: 391660 **SW-ERA01-1105-MID-FIL** **Collected: 11/14/05** **Analyzed: 11/18/05 -**

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	[0.36]	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**)	116%				
1-Bromo-4-F uorobenzene (SURR**)	107%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94479 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: SAT2NSP** **Printed: 12/02/2005 13:23**

Sample: 391661 **SW-ERA01-1105-NB-FIL** **Collected: 11/14/05** **Analyzed: 11/18/05 -**

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**)	112%				
Toluene-d8 (SURR**)	113%				
1-Bromo-4-Fluorobenzene (SURR**)	104%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

Sample: 391662 **SW-ERA01-1105-MID-UNF** **Collected: 11/14/05** **Analyzed: 11/18/05 -**

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**)	104%				
Toluene-d8 (SURR**)	104%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94479 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/02/2005 13:23**

Sample: 391663 SW-ERA01-1105-NB-UNF **Collected: 11/14/05** **Analyzed: 11/18/05 -**

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**)	96%				
Toluene-d8 (SURR**)	96%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

Sample: 391664 Trip Blank **Collected: 11/14/05** **Analyzed: 11/18/05 -**

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**)	103%				
Toluene-d8 (SURR**)	106%				
1-Bromo-4-Fluorobenzene (SURR**)	102%				

Matrix spike percent recovery exceeded in-house control limits for 1,2,4-Trimethylbenzene at 84%.

** 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: 94480
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100
PO # 25688375.500

Project: High Energy Surface Water Samples

SW-ERA2-1105-MID-UNF NLS ID: 391665
Ref. Line 1 COC 82206 SW-ERA2-1105-MID-UNF Matrix: SW
Collected: 11/14/05 13:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/21/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/30/05	SW846 8270C	721026460

SW-ERA2-1105-MID-FIL MS/MSD NLS ID: 391666
Ref. Line 2 COC 82206 SW-ERA2-1105-MID-FIL MS/MSD Matrix: SW
Collected: 11/14/05 13:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/02/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/21/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/30/05	SW846 8270C	721026460

SW-DUP-01-1105-FIL NLS ID: 391667
Ref. Line 3 COC 82206 SW-DUP-01-1105-FIL Matrix: SW
Collected: 11/14/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[1.2]	mg/L	1	0.54	1.7	12/02/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/21/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/30/05	SW846 8270C	721026460

SW-HHRA5-1105-UNF NLS ID: 391668
Ref. Line 1 COC 82212 SW-HHRA5-1105-UNF Matrix: SW
Collected: 11/15/05 14:20 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[0.63]	mg/L	1	0.54	1.7	12/02/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/21/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/30/05	SW846 8270C	721026460

SW-HHRA6-1105-UNF NLS ID: 391669
Ref. Line 2 COC 82212 SW-HHRA6-1105-UNF Matrix: SW
Collected: 11/15/05 14:40 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/02/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/21/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/30/05	SW846 8270C	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: 94480
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: High Energy Surface Water Samples

PO # 25688375.500

SW-HHRA8-1105-UNF NLS ID: 391670
Ref. Line 3 COC 82212 SW-HHRA8-1105-UNF Matrix: SW
Collected: 11/15/05 15:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[0.72]	mg/L	1	0.54	1.7	12/02/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/21/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/30/05	SW846 8270C	721026460

SW-HHRA7-1105-UNF NLS ID: 391671
Ref. Line 4 COC 82212 SW-HHRA7-1105-UNF Matrix: SW
Collected: 11/15/05 15:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[0.59]	mg/L	1	0.54	1.7	12/02/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/21/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/18/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/30/05	SW846 8270C	721026460

Trip Blank NLS ID: 391672
Ref. Line 5 COC 82212 Trip Blank Matrix: TB
Collected: 11/15/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/21/05	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: 94480 PO # 25688375.5000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/06/2005 08:21**

Sample: 391665 **SW-ERA2-1105-MID-UNF** **Collected: 11/14/05** **Analyzed: 11/30/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Acenaphthene	[1.3]	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	[1.4]	ug/L	1	1.1	3.5
2-Methylnaphthalene	[1.4]	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	[2.0]	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**)	26%				
Nitrobenzene-d5 (SURR**)	74%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	43%				

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/06/2005 08:21**

Sample: 391666 **SW-ERA2-1105-MID-FIL MS/MSD** **Collected: 11/14/05** **Analyzed: 11/30/05 -**

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	[2.2]	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**)	78%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	47%				

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/06/2005 08:21**

Sample: 391667 **SW-DUP-01-1105-FIL** **Collected: 11/14/05** **Analyzed: 11/30/05 -**

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	[2.1]	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**)	75%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	61%				

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/06/2005 08:21**

Sample: 391668 **SW-HHRA5-1105-UNF** **Collected: 11/15/05** **Analyzed: 11/30/05 -**

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	[1.7]	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**)	26%				
Nitrobenzene-d5 (SURR**)	73%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	44%				

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/06/2005 08:21**

Sample: 391669 **SW-HHRA6-1105-UNF** **Collected: 11/15/05** **Analyzed: 11/30/05 -**

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	[1.1]	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**)	72%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	49%				

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/06/2005 08:21**

Sample: 391670 **SW-HHRA8-1105-UNF** **Collected: 11/15/05** **Analyzed: 11/30/05 -**

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**)	71%				
2,4,6-Tribromophenol (SURR**)	77%				
Terphenyl-d14 (SURR**)	42%				

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/06/2005 08:21**

Sample: 391671 **SW-HHRA7-1105-UNF** **Collected: 11/15/05** **Analyzed: 11/30/05 -**

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**)	75%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	62%				

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 - Water - (Saturn 2)

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/06/2005 08:21**

Sample: 391665 SW-ERA2-1105-MID-UNF **Collected: 11/14/05** **Analyzed: 11/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.23]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.44]	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**)	96%				
1-Bromo-4-Fluorobenzene (SURR**)	91%				

Sample: 391666 SW-ERA2-1105-MID-FIL MS/MSD **Collected: 11/14/05** **Analyzed: 11/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.19]	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**)	98%				
Toluene-d8 (SURR**)	101%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

Sample: 391667 SW-DUP-01-1105-FIL **Collected: 11/14/05** **Analyzed: 11/21/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.22]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.28]	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**)	100%				
Toluene-d8 (SURR**)	107%				
1-Bromo-4-Fluorobenzene (SURR**)	102%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP** **Printed: 12/06/2005 08:21**

Sample: 391668 SW-HHRA5-1105-UNF **Collected: 11/15/05** **Analyzed: 11/21/05 -**

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	[0.48]	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	[0.29]	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	[0.39]	ug/L	1	0.35	1.2
1,2,3-Trimethylbenzene	ND	ug/L	1	0.21	0.68
Dibromofluoromethane (SURR**)	100%				
Toluene-d8 (SURR**)	99%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 391669 SW-HHRA6-1105-UNF **Collected: 11/15/05** **Analyzed: 11/21/05 -**

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	[0.19]	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**)	89%				
Toluene-d8 (SURR**)	89%				
1-Bromo-4-Fluorobenzene (SURR**)	83%				

Sample: 391670 SW-HHRA8-1105-UNF **Collected: 11/15/05** **Analyzed: 11/21/05 -**

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**)	94%				
1-Bromo-4-Fluorobenzene (SURR**)	89%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94480 PO # 25688375.5000**
Project Description: *High Energy Surface Water Samples*
Project Title: **Template: SAT2NSP Printed: 12/06/2005 08:21**

Sample: 391671 SW-HHRA7-1105-UNF **Collected: 11/15/05** **Analyzed: 11/21/05 -**

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**)	94%				
1-Bromo-4-Fluorobenzene (SURR**)	87%				

Sample: 391672 Trip Blank **Collected: 11/15/05** **Analyzed: 11/21/05 -**

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**)	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: 94481
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: High Energy Surface Water Samples

SW-DUP03-1105-FIL NLS ID: 391673
Ref. Line 1 COC 82208 SW-DUP03-1105-FIL Matrix: SW
Collected: 11/15/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/05/05	SW846 9060M	721026460
Lab filtration	*yes*					*11/17/05*	NA	721026460
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	SW846 8270C	721026460

SW-ERA4-1105-NB-FIL MS/MSD NLS ID: 391674
Ref. Line 2 COC 82208 SW-ERA4-1105-NB-FIL MS/MSD Matrix: SW
Collected: 11/15/05 08:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/05/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	SW846 8270C	721026460

SW-ERA4-1105-MID-FIL NLS ID: 391675
Ref. Line 3 COC 82208 SW-ERA4-1105-MID-FIL Matrix: SW
Collected: 11/15/05 08:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/05/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	SW846 8270C	721026460

SW-ERA4-1105-MID-UNF NLS ID: 391676
Ref. Line 4 COC 82208 SW-ERA4-1105-MID-UNF Matrix: SW
Collected: 11/15/05 08:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	SW846 8270C	721026460

SW-ERA4-1105-NB-UNF NLS ID: 391677
Ref. Line 5 COC 82208 SW-ERA4-1105-NB-UNF Matrix: SW
Collected: 11/15/05 08:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	SW846 8270C	721026460

SW-ERA6-1105-MID-FIL NLS ID: 391678
Ref. Line 1 COC 82215 SW-ERA6-1105-MID-FIL Matrix: SW
Collected: 11/15/05 09:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/05/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	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: 94481
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: High Energy Surface Water Samples

SW-ERA6-1105-MID-UNF NLS ID: 391679
Ref. Line 2 COC 82215 SW-ERA6-1105-MID-UNF Matrix: SW
Collected: 11/15/05 09:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	SW846 8270C	721026460

SW-ERA6-1105-NB-FIL NLS ID: 391680
Ref. Line 3 COC 82215 SW-ERA6-1105-NB-FIL Matrix: SW
Collected: 11/15/05 09:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[0.75]	mg/L	1	0.54	1.7	12/05/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	SW846 8270C	721026460

SW-ERA6-1105-NB-UNF NLS ID: 391681
Ref. Line 4 COC 82215 SW-ERA6-1105-NB-UNF Matrix: SW
Collected: 11/15/05 09:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	SW846 8270C	721026460

Trip Blank NLS ID: 391682
Ref. Line 5 COC 82215 Trip Blank Matrix: TB
Collected: 11/15/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460

SQ EquipBlank 01-1105 NLS ID: 391683
Ref. Line 6 COC 82215 SQ EquipBlank 01-1105 Matrix: SW
Collected: 11/15/05 16:30 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/05/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/22/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/01/05	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: 94481**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391673 **SW-DUP03-1105-FIL** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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	[1.6]	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**)	75%				
2-Fluorobiphenyl (SURR**)	75%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	47%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391674 **SW-ERA4-1105-NB-FIL MS/MSD** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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	[1.1]	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**)	72%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	50%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391675 **SW-ERA4-1105-MID-FIL** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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**)	73%				
2-Fluorobiphenyl (SURR**)	73%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	47%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391676 **SW-ERA4-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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**)	74%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	76%				
Terphenyl-d14 (SURR**)	55%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391677 **SW-ERA4-1105-NB-UNF** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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**)	29%				
Nitrobenzene-d5 (SURR**)	75%				
2-Fluorobiphenyl (SURR**)	74%				
2,4,6-Tribromophenol (SURR**)	83%				
Terphenyl-d14 (SURR**)	57%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391678 **SW-ERA6-1105-MID-FIL** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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**)	71%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	75%				
Terphenyl-d14 (SURR**)	53%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391679 **SW-ERA6-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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**)	75%				
2-Fluorobiphenyl (SURR**)	74%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	74%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391680 **SW-ERA6-1105-NB-FIL** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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**)	73%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	74%				
Terphenyl-d14 (SURR**)	73%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391681 **SW-ERA6-1105-NB-UNF** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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**)	70%				
2,4,6-Tribromophenol (SURR**)	71%				
Terphenyl-d14 (SURR**)	72%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/07/2005 07:22**

Sample: 391683 **SQ EquipBlank 01-1105** **Collected: 11/15/05** **Analyzed: 12/01/05 -**

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**)	72%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	75%				

** 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: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/07/2005 07:22**

Sample: 391673 SW-DUP03-1105-FIL **Collected: 11/15/05** **Analyzed: 11/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.22]	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	[0.48]	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**)	101%				
Toluene-d8 (SURR**)	106%				
1-Bromo-4-Fluorobenzene (SURR**)	101%				

Sample: 391674 SW-ERA4-1105-NB-FIL MS/MSD **Collected: 11/15/05** **Analyzed: 11/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.25]	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	[0.54]	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**)	95%				
1-Bromo-4-Fluorobenzene (SURR**)	92%				

Sample: 391675 SW-ERA4-1105-MID-FIL **Collected: 11/15/05** **Analyzed: 11/22/05 -**

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	[0.39]	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**)	110%				
Toluene-d8 (SURR**)	109%				
1-Bromo-4-Fluorobenzene (SURR**)	103%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP** **Printed: 12/07/2005 07:22**

Sample: 391676 **SW-ERA4-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 11/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.21]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.22]	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**)	98%				
Toluene-d8 (SURR**)	98%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 391677 **SW-ERA4-1105-NB-UNF** **Collected: 11/15/05** **Analyzed: 11/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.23]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.39]	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	[0.39]	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	[0.40]	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**)	102%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Sample: 391678 **SW-ERA6-1105-MID-FIL** **Collected: 11/15/05** **Analyzed: 11/22/05 -**

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	[0.36]	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**)	104%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**

Project Description: High Energy Surface Water Samples

Project Title: **Template: SAT2NSP** **Printed: 12/07/2005 07:22**

Sample: 391679 **SW-ERA6-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 11/22/05 -**

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	[0.23]	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	[0.35]	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**)	97%				

Sample: 391680 **SW-ERA6-1105-NB-FIL** **Collected: 11/15/05** **Analyzed: 11/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.18]	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	[0.40]	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**)	91%				
1-Bromo-4-Fluorobenzene (SURR**)	84%				

Sample: 391681 **SW-ERA6-1105-NB-UNF** **Collected: 11/15/05** **Analyzed: 11/22/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.17]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.24]	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**)	99%				
Toluene-d8 (SURR**)	99%				
1-Bromo-4-Fluorobenzene (SURR**)	94%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94481**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/07/2005 07:22**

Sample: 391682 Trip Blank **Collected: 11/15/05** **Analyzed: 11/22/05 -**

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**)	100%				
Toluene-d8 (SURR**)	99%				
1-Bromo-4-Fluorobenzene (SURR**)	95%				

Sample: 391683 SQ EquipBlank 01-1105 **Collected: 11/15/05** **Analyzed: 11/22/05 -**

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**)	103%				
Toluene-d8 (SURR**)	103%				
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: 94482
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: High Energy Surface Water Samples

SW-DUP04-1105-UNF NLS ID: 391684
Ref. Line 1 COC 82213 SW-DUP04-1105-UNF Matrix: SW
Collected: 11/15/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[1.2]	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/02/05	SW846 8270C	721026460

Trip Blank NLS ID: 391685
Ref. Line 2 COC 82213 Trip Blank Matrix: TB
Collected: 11/15/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460

SW-HHRA4-1105-UNF NLS ID: 391686
Ref. Line 3 COC 82213 SW-HHRA4-1105-UNF Matrix: SW
Collected: 11/15/05 13:50 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	[1.2]	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/02/05	SW846 8270C	721026460

SW-ERA8-1105-MID-FIL NLS ID: 391687
Ref. Line 4 COC 82213 SW-ERA8-1105-MID-FIL Matrix: SW
Collected: 11/15/05 12:45 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	2.3	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/02/05	SW846 8270C	721026460

SW-ERA8-1105-MID-UNF NLS ID: 391688
Ref. Line 5 COC 82213 SW-ERA8-1105-MID-UNF Matrix: SW
Collected: 11/15/05 12:45 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/02/05	SW846 8270C	721026460

SW-ERA5-1105-NB-FIL NLS ID: 391689
Ref. Line 1 COC 82211 SW-ERA5-1105-NB-FIL Matrix: SW
Collected: 11/15/05 11:15 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	2.0	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/02/05	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: 94482
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: High Energy Surface Water Samples

SW-ERA5-1105-MID-FIL NLS ID: 391690
Ref. Line 2 COC 82211 SW-ERA5-1105-MID-FIL Matrix: SW
Collected: 11/15/05 11:15 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	2.0	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/02/05	SW846 8270C	721026460

SW-ERA5-1105-MID-UNF NLS ID: 391691
Ref. Line 3 COC 82211 SW-ERA5-1105-MID-UNF Matrix: SW
Collected: 11/15/05 11:15 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/02/05	SW846 8270C	721026460

SW-ERA5-1105-NB-UNF NLS ID: 391692
Ref. Line 4 COC 82211 SW-ERA5-1105-NB-UNF Matrix: SW
Collected: 11/15/05 11:15 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/28/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/21/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					12/02/05	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: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/08/2005 15:12**

Sample: 391684 **SW-DUP04-1105-UNF** **Collected: 11/15/05** **Analyzed: 12/02/05 -**

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**)	66%				
2-Fluorobiphenyl (SURR**)	66%				
2,4,6-Tribromophenol (SURR**)	71%				
Terphenyl-d14 (SURR**)	69%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/08/2005 15:12**

Sample: 391686 **SW-HHRA4-1105-UNF** **Collected: 11/15/05** **Analyzed: 12/02/05 -**

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**)	71%				
2,4,6-Tribromophenol (SURR**)	78%				
Terphenyl-d14 (SURR**)	74%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/08/2005 15:12**

Sample: 391687 **SW-ERA8-1105-MID-FIL** **Collected: 11/15/05** **Analyzed: 12/02/05 -**

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**)	73%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	79%				
Terphenyl-d14 (SURR**)	72%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/08/2005 15:12**

Sample: 391688 **SW-ERA8-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 12/02/05 -**

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**)	73%				
2,4,6-Tribromophenol (SURR**)	81%				
Terphenyl-d14 (SURR**)	74%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/08/2005 15:12**

Sample: 391689 **SW-ERA5-1105-NB-FIL** **Collected: 11/15/05** **Analyzed: 12/02/05 -**

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**)	70%				
2-Fluorobiphenyl (SURR**)	71%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	72%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/08/2005 15:12**

Sample: 391690 **SW-ERA5-1105-MID-FIL** **Collected: 11/15/05** **Analyzed: 12/02/05 -**

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**)	70%				
2-Fluorobiphenyl (SURR**)	70%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	73%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/08/2005 15:12**

Sample: 391691 **SW-ERA5-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 12/02/05 -**

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**)	71%				
2-Fluorobiphenyl (SURR**)	72%				
2,4,6-Tribromophenol (SURR**)	80%				
Terphenyl-d14 (SURR**)	73%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: 8270WNSP** **Printed: 12/08/2005 15:12**

Sample: 391692 **SW-ERA5-1105-NB-UNF** **Collected: 11/15/05** **Analyzed: 12/02/05 -**

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**)	70%				
2,4,6-Tribromophenol (SURR**)	71%				
Terphenyl-d14 (SURR**)	71%				

** 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: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/08/2005 15:13**

Sample: 391684 SW-DUP04-1105-UNF **Collected: 11/15/05** **Analyzed: 11/28/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.25]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.37]	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	[0.28]	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	[0.37]	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**)	86%				
1-Bromo-4-Fluorobenzene (SURR**)	84%				

Sample: 391685 Trip Blank **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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	[0.27]	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**)	101%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 391686 SW-HHRA4-1105-UNF **Collected: 11/15/05** **Analyzed: 11/28/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.19]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.33]	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**)	100%				
Toluene-d8 (SURR**)	99%				
1-Bromo-4-Fluorobenzene (SURR**)	92%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/08/2005 15:13**

Sample: 391687 SW-ERA8-1105-MID-FIL **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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	[0.54]	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**)	101%				
Toluene-d8 (SURR**)	98%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 391688 SW-ERA8-1105-MID-UNF **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	96%				
1-Bromo-4-Fluorobenzene (SURR**)	94%				

Sample: 391689 SW-ERA5-1105-NB-FIL **Collected: 11/15/05** **Analyzed: 11/28/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.14]	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	[0.60]	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**)	94%				
1-Bromo-4-Fluorobenzene (SURR**)	86%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/08/2005 15:13**

Sample: 391690 SW-ERA5-1105-MID-FIL **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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	[0.41]	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**)	99%				
Toluene-d8 (SURR**)	101%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 391691 SW-ERA5-1105-MID-UNF **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	102%				
Toluene-d8 (SURR**)	106%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Sample: 391692 SW-ERA5-1105-NB-UNF **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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	[0.20]	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**)	98%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Customer: URS Corporation (Milwaukee) **NLS Project: 94482**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP** **Printed: 12/08/2005 15:13**

** 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: 94483
NLS Customer: 91206

Fax: 414 831 4101 **Phone: 414 831 4100**
PO # 25688375.500

Project: **High Energy Surface Water Samples**

NSP-SW-ER3-1105-NB-FIL NLS ID: 391693
Ref. Line 1 COC 82214 NSP-SW-ER3-1105-NB-FIL Matrix: SW
Collected: 11/15/05 14:45 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	2.6	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	SW846 8270C	721026460

NSP-SW-ER3-1105-MID-FIL NLS ID: 391694
Ref. Line 2 COC 82214 NSP-SW-ER3-1105-MID-FIL Matrix: SW
Collected: 11/15/05 14:45 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	2.2	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	SW846 8270C	721026460

NSP-SW-ER3-1105-NB-UNF NLS ID: 391695
Ref. Line 3 COC 82214 NSP-SW-ER3-1105-NB-UNF Matrix: SW
Collected: 11/15/05 14:45 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	SW846 8270C	721026460

NSP-SW-ER3-1105-MID-UNF NLS ID: 391696
Ref. Line 4 COC 82214 NSP-SW-ER3-1105-MID-UNF Matrix: SW
Collected: 11/15/05 14:45 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	SW846 8270C	721026460

Trip Blank NLS ID: 391697
Ref. Line 5 COC 82214 Trip Blank Matrix: TB
Collected: 11/15/05 00:00 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460

SW-ERA7-1105-MID-FIL NLS ID: 391698
Ref. Line 1 COC 82209 SW-ERA7-1105-MID-FIL Matrix: SW
Collected: 11/15/05 12:10 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	1.8	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	SW846 8270C	721026460

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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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: 94483
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: High Energy Surface Water Samples

PO # 25688375.500

SW-ERA7-1105-NB-FIL NLS ID: 391699
Ref. Line 2 COC 82209 SW-ERA7-1105-NB-FIL Matrix: SW
Collected: 11/15/05 12:10 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	2.3	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
VOCs (water) by EPA 8260	see attached					11/30/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	SW846 8270C	721026460

SW-ERA7-1105-NB-UNF NLS ID: 391700
Ref. Line 3 COC 82209 SW-ERA7-1105-NB-UNF Matrix: SW
Collected: 11/15/05 12:10 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	SW846 8270C	721026460

SW-ERA7-1105-MID-UNF NLS ID: 391701
Ref. Line 4 COC 82209 SW-ERA7-1105-MID-UNF Matrix: SW
Collected: 11/15/05 12:10 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	SW846 8270C	721026460

SQ EquipBlank-02-1105 NLS ID: 391702
Ref. Line 5 COC 82209 SQ EquipBlank-02-1105 Matrix: SW
Collected: 11/15/05 16:45 Received: 11/16/05

Parameter	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Lab
Dissolved organic carbon (DOC)	ND	mg/L	1	0.54	1.7	12/06/05	SW846 9060M	721026460
Lab filtration	yes					11/17/05	NA	721026460
VOCs (water) by EPA 8260	see attached					11/29/05	SW846 8260	721026460
8270 Acid/Base Extraction by 3510C	yes					11/22/05	SW846 3510	721026460
Semivolatile GC/MS by 8270C	see attached					11/28/05	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: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/12/2005 10:37**

Sample: 391693 **NSP-SW-ER3-1105-NB-FIL** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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	[2.0]	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**)	29%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	78%				
2,4,6-Tribromophenol (SURR**)	95%				
Terphenyl-d14 (SURR**)	88%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/12/2005 10:37**

Sample: 391694 **NSP-SW-ER3-1105-MID-FIL** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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	[1.6]	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**)	28%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	91%				
Terphenyl-d14 (SURR**)	82%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/12/2005 10:37**

Sample: 391695 **NSP-SW-ER3-1105-NB-UNF** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	78%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	96%				
Terphenyl-d14 (SURR**)	86%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/12/2005 10:37**

Sample: 391696 **NSP-SW-ER3-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	42%				
Phenol-d5 (SURR**)	28%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	79%				
2,4,6-Tribromophenol (SURR**)	95%				
Terphenyl-d14 (SURR**)	88%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/12/2005 10:37**

Sample: 391698 **SW-ERA7-1105-MID-FIL** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	29%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	76%				
2,4,6-Tribromophenol (SURR**)	93%				
Terphenyl-d14 (SURR**)	84%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: ***Template: 8270WNSP*** ***Printed: 12/12/2005 10:37***

Sample: 391699 **SW-ERA7-1105-NB-FIL** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	29%				
Nitrobenzene-d5 (SURR**)	79%				
2-Fluorobiphenyl (SURR**)	80%				
2,4,6-Tribromophenol (SURR**)	96%				
Terphenyl-d14 (SURR**)	89%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/12/2005 10:37**

Sample: 391700 **SW-ERA7-1105-NB-UNF** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	29%				
Nitrobenzene-d5 (SURR**)	77%				
2-Fluorobiphenyl (SURR**)	79%				
2,4,6-Tribromophenol (SURR**)	90%				
Terphenyl-d14 (SURR**)	85%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/12/2005 10:37**

Sample: 391701 **SW-ERA7-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	27%				
Nitrobenzene-d5 (SURR**)	76%				
2-Fluorobiphenyl (SURR**)	77%				
2,4,6-Tribromophenol (SURR**)	89%				
Terphenyl-d14 (SURR**)	85%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: 8270WNSP** **Printed: 12/12/2005 10:37**

Sample: 391702 **SQ EquipBlank-02-1105** **Collected: 11/15/05** **Analyzed: 11/28/05 -**

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**)	27%				
Nitrobenzene-d5 (SURR**)	78%				
2-Fluorobiphenyl (SURR**)	79%				
2,4,6-Tribromophenol (SURR**)	95%				
Terphenyl-d14 (SURR**)	84%				

** 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: 94483 PO # 25688375.50000**
Project Description: High Energy Surface Water Samples
Project Title: **Template: SAT2NSP Printed: 12/12/2005 10:37**

Sample: 391693 NSP-SW-ER3-1105-NB-FIL **Collected: 11/15/05** **Analyzed: 11/29/05 -**

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	[0.21]	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	[0.27]	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**)	100%				
Toluene-d8 (SURR**)	103%				
1-Bromo-4-Fluorobenzene (SURR**)	96%				

Sample: 391694 NSP-SW-ER3-1105-MID-FIL **Collected: 11/15/05** **Analyzed: 11/29/05 -**

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	[0.22]	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**)	88%				
Toluene-d8 (SURR**)	89%				
1-Bromo-4-Fluorobenzene (SURR**)	85%				

Sample: 391695 NSP-SW-ER3-1105-NB-UNF **Collected: 11/15/05** **Analyzed: 11/29/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.17]	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.40]	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**)	82%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: SAT2NSP** **Printed: 12/12/2005 10:37**

Sample: 391696 **NSP-SW-ER3-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 11/29/05 -**

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	[0.39]	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**)	87%				
1-Bromo-4-Fluorobenzene (SURR**)	80%				

Surrogate recovery for 1,4-Bromofluorobenzene was outside of in-house QC limits at 80%.

Sample: 391697 **Trip Blank** **Collected: 11/15/05** **Analyzed: 11/29/05 -**

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**)	101%				
1-Bromo-4-Fluorobenzene (SURR**)	97%				

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: SAT2NSP** **Printed: 12/12/2005 10:37**

Sample: 391698 **SW-ERA7-1105-MID-FIL** **Collected: 11/15/05** **Analyzed: 11/29/05 -**

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	[0.46]	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**)	86%				

Sample: 391699 **SW-ERA7-1105-NB-FIL** **Collected: 11/15/05** **Analyzed: 11/30/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.33]	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	[0.57]	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**)	99%				
Toluene-d8 (SURR**)	109%				
1-Bromo-4-Fluorobenzene (SURR**)	100%				

Sample required reanalysis past hold time.

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

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: SAT2NSP** **Printed: 12/12/2005 10:37**

Sample: 391700 **SW-ERA7-1105-NB-UNF** **Collected: 11/15/05** **Analyzed: 11/29/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	0.53	ug/L	1	0.14	0.48
sec-Butylbenzene	ND	ug/L	1	0.14	0.45
Ethylbenzene	[0.17]	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	[0.28]	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**)	108%				
1-Bromo-4-Fluorobenzene (SURR**)	99%				

Sample: 391701 **SW-ERA7-1105-MID-UNF** **Collected: 11/15/05** **Analyzed: 11/29/05 -**

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**)	88%				
Toluene-d8 (SURR**)	101%				
1-Bromo-4-Fluorobenzene (SURR**)	93%				

Sample: 391702 **SQ EquipBlank-02-1105** **Collected: 11/15/05** **Analyzed: 11/29/05 -**

ANALYTE NAME	RESULT	UNITS	DIL	LOD	LOQ
Benzene	[0.45]	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	[0.59]	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**)	91%				
1-Bromo-4-Fluorobenzene (SURR**)	83%				

Customer: URS Corporation (Milwaukee) **NLS Project: 94483 PO # 25688375.50000**

Project Description: High Energy Surface Water Samples

Project Title: **Template: SAT2NSP Printed: 12/12/2005 10:37**

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

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 82216

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY	Milwaukee STATE WI. ZIP 53226
PROJECT DESCRIPTION / NO.	25688375.50000 QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar PHONE 414-831-4150
PURCHASE ORDER NO.	25688375.50000 FAX 414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		ANALYZE PER ORDER OF ANALYSIS: VOCs 8260	PAH 8270	DOC 9060										COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391655	NSP-SW-HHRA3-11/05-UNF	11-15-05	1000	SW		3	~~4~~ 1											MS/MSD
2.	391656	NSP-SW-DUP02-11/05	11-14-05	—	SW	*	3	2	1										
3.	391657	NSP-SW-HHRA1-11/05-UNF	11-14-05	1600	SW		3	2	1										
4.	391658	NSP-SW-HHRA2-11/05-UNF	11-14-05	1615	SW		3	2	1										
5.	391659	Trip Blank	6/10/05	0800	SW		1												
6.																			
7.																			
8.																			
9.																			
10.																			

ONE SAMPLE PER LINE

COLLECTED BY (signature) DR	CUSTODY SEAL NO. (IF ANY) —	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 11-16-05 / 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO: PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR.
STE 500
MILWAUKEE, WI 53226

INVOICE TO: SAME AS ABOVE

RECEIVED AT NLS BY (signature) Debbie Welcon	DATE/TIME 11-16-05 15:00	CONDITION On ice	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. ALL PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY	Milwaukee STATE WI ZIP 53226
PROJECT DESCRIPTION / NO.	25688375.50000
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	414-831-4150
PURCHASE ORDER NO.	25688375.50000
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

NO. 82205

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		VOCs 8260	PAH 8270	~~TIS~~ TD OC 9060									COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391660	SW-ERA01-1105-MID-FIL	11/14/05	11:30	SW		3	2	1									
2.	391661	SW-ERA01-1105-NB-FIL	11/14/05	11:30	SW		3	2	1									
3.	391662	SW-ERA01-1105-MID-UNF	11/14/05	1:30	SW		3	2										
4.	391663	SW-ERA01-1105-NB-UNF	11/14/05	11:30	SW		3	2										
5.	391664	TRIP BLANK	6/15/05	0845	SW		1											
6.					SW													
7.					SW													
8.					SW													
9.					SW													
10.					SW													

ONE SAMPLE PER LINE

COLLECTED BY (signature) DR [signature]	CUSTODY SEAL NO. (IF ANY) —	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature) [signature]	DATE/TIME 11-14-05 / 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO Paul Sklar
URS CORPORATION
10200 INNOVATION DR. Ste 500
MILWAUKEE, WI 53226

INVOICE TO
SAME AS ABOVE

RECEIVED AT NLS BY (signature) Debbie Wilson	DATE/TIME 11-16-05 15:00	CONDITION on ice	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 82206

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY	Milwaukee STATE WI ZIP 53226
PROJECT DESCRIPTION / NO.	25688375.5000 QUOTATION NO.
DNR FID #	DNR LICENSE #
CONTACT	Paul Sklar PHONE 414-831-4150
PURCHASE ORDER NO.	25688375.5000 FAX 414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: VOCs 8260	DOC	PAH 8270	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391665	SW-ERA2-1105-MID-UNF	11/14/05	1300	SW	3		2	
2.	391666	SW-ERA2-1105-MID-FIL	11/14/05	1300	SW	3	1	2	MS/MSD
3.	391667	SW-DUP-01-1105	11/14/05	—	SW	3	1	2	
4.					SW				
5.					SW				
6.					SW				
7.					SW				
8.					SW				
9.					SW				
10.					SW				

ONE SAMPLE PER LINE

COLLECTED BY (signature) DR	CUSTODY SEAL NO. (IF ANY) —	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

11-16-05 / 1345

REPORT TO
PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR.
STE. 500
MILWAUKEE, WI 53226

INVOICE TO
SAME AS ABOVE

RECEIVED AT NLS BY (signature) Debbie Wilson	DATE/TIME 11-16-05 15:00	CONDITION ok	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. ALL PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 82212

CLIENT	URS CORP
ADDRESS	10200 INNOVATION DR STE 500
CITY / STATE / ZIP	MILWAUKEE WI 53226
PROJECT DESCRIPTION / NO.	25688375.50000
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL SKLAR
PHONE	414-831-4150
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	VOCs 8260	PAH 8270	DOC 9060	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391668	SW-HHRA5-1105-UNF	11/15/05	1420	SW	3	2	1	
2.	391669	SW-HHRA6-1105-UNF	11/15/05	1440	SW	3	2	1	
3.	391670	SW-HHRA8-1105-UNF	11/15/05	1530	SW	3	2	1	
4.	391671	SW-HHRA7-1105-UNF	11/15/05	1500	SW	3	2	1	
5.	391672	TRIP BLANK	6/6/05	10:30	SW	1	-	-	
6.					SW				
7.					SW				
8.					SW				
9.					SW				
10.					SW				

ONE SAMPLE PER LINE

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 11-16-05 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR
STE 500
MILWAUKEE, WI 53226

INVOICE TO
SAME AS ABOVE

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
Debbie Wilson	11-16-05 15:00	On Ice	
COOLER # 50-47	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 82208

CLIENT	URS CORP
ADDRESS	10200 INNOVATION DR. STE 500
CITY / STATE / ZIP	MILWAUKEE WI 53226
PROJECT DESCRIPTION / NO.	25688375.50000
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL SKLAR
PHONE	414-831-4150
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	VOC 8260	PAH 8270	DOC 9060	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391673	SW-DUP03-1105-FIL	11/15/05	—	SW	3	2	1	
2.	391674	SW-ERA4-1105-NB-FIL		0800	SW	3	4	1	MS/MSD
3.	391675	SW-ERA4-1105-MID-FIL		0800	SW	3	2	1	
4.	391676	SW-ERA4-1105-MID-UNF		0800	SW	3	2	—	
5.	391677	SW-ERA4-1105-NB-UNF		0800	SW	3	2	—	
6.					SW				
7.					SW				
8.					SW				
9.					SW				
10.					SW				

ONE SAMPLE LINE

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 11-14-05 / 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR., STE 500
MILWAUKEE, WI 53226

INVOICE TO
SAME AS ABOVE

RECEIVED AT NLS BY (signature) Karen Hyter	DATE/TIME 11/16/05 15:00	CONDITION nice	TEMP.
COOLER # 48-441	REMARKS & OTHER INFORMATION Steve Mac Hanes		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. TURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 82215

CLIENT	URS CORP
ADDRESS	10200 INNOVATION DR. STE 500
CITY / STATE / ZIP	MILWAUKEE, WI 53226
PROJECT DESCRIPTION / NO.	25688375.50000
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL SKLAR
PHONE	414-831-4150
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		VOCs 8260	PAH 8270	DOC 9060									COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391678	SW-ERA6-1105-MID-FIL	11/15/05	0930	SW		3	2	1									
2.	391679	SW-ERA6-1105-MID-UNF	11/15/05	0930	SW		3	2	—									
3.	391680	SW-ERA6-1105-NB-FIL	11/15/05	0930	SW		3	2	1									
4.	391681	SW-ERA6-1105-NB-UNF	11/15/05	0930	SW		3	2	—									
5.	391682	TRIP BLANK	6/6/05	10:30	SW		1	—	—									
6.	391683	SQ EQUIPBLANK01-1105	11/15/05	1630	SW		3	2	1									
7.					SW													
8.					SW													
9.					SW													
10.					SW													

ONE SAMPLE PER LINE

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 11-14-05 / 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR.
STE 500
MILWAUKEE, WI 53226

INVOICE TO
SAME AS ABOVE

RECEIVED AT NLS BY (signature)	DATE/TIME 11/16/05 15:00	CONDITION On ice	TEMP.
COOLER # 50-24	REMARKS & OTHER INFORMATION Steve Mac. Hazel		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 82211

CLIENT	URS CORP
ADDRESS	10200 INNOVATION DR STE 500
CITY / STATE / ZIP	MILWAUKEE / WI / 53226
PROJECT DESCRIPTION / NO.	25688375.50000
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL SKLAR
PHONE	414-831-4150
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)		VOCs 8260	PAH 8270	DOC 9060									COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391689	SW-ERA5-1105-NB-FIL	11/15/05	1115	SW		3	2	1									
2.	391690	SW-ERA5-1105-MID-FIL	11/15/05	1115	SW		3	2	1									
3.	391691	SW-ERA5-1105-MID-UNF	11/15/05	1115	SW		3	2	-									
4.	391692	SW-ERA5-1105-NB-UNF	11/15/05	1115	SW		3	2	-									
5.					SW													
6.					SW													
7.					SW													
8.					SW													
9.					SW													
10.					SW													

ONE SAMPLE PER LINE

COLLECTED BY (signature) DR	CUSTODY SEAL NO. (IF ANY) —	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 11-14-05 / 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR.
STE 500
MILWAUKEE, WI 53226

INVOICE TO
SAME AS ABOVE

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
COOLER # 34-59	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. [illegible]026460

WI DATCP 105-000330

NO. 82213

CLIENT	URS CORPORATION
ADDRESS	10200 INNOVATION DR. STE 500
CITY / STATE / ZIP	MILWAUKEE / WI / 53226
PROJECT DESCRIPTION / NO.	25688375.50000
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL SKLAR
PHONE	414-831-4150
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS: VOC 8260; PAH 8270; DOC 9060

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	VOC 8260	PAH 8270	DOC 9060	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391684	SW-DUP04-1105-UNF	11/15/05	[redacted]	SW	3	2	1	
2.	391685	TRIP BLANK	11/15/05	8:45	SW	1	–	–	
3.	391686	SW-HHRA 4-11-05-UNF	11/15/05	13:50	SW	3	2	1	
4.	391687	SW-ERA8-1105-MID-FIL	11/15/05	12:45	SW	3	2	1	
5.	391688	SW-ERA8-1105-MID-UNF	11/15/05	12:45	SW	3	2	–	
6.					SW				
7.					SW				
8.					SW				
9.					SW				
10.					SW				

ONE SAMPLE PER LINE

COLLECTED BY (signature)	CUSTODY SEAL NO. (IF ANY)	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 11-14-05 / 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR.
STE 500
MILWAUKEE, WI 53226

INVOICE TO
SAME AS ABOVE

RECEIVED AT NLS BY (signature)	DATE/TIME	CONDITION	TEMP.
COOLER #	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
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ORIGINAL COPY

SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 82214

CLIENT	URS Corporation
ADDRESS	10200 Innovation Dr.
CITY	Milwaukee
STATE	WI
ZIP	53226
PROJECT DESCRIPTION / NO.	25688375.50000
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	Paul Sklar
PHONE	
PURCHASE ORDER NO.	25688375.50000
FAX	

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	VOCs 8260	PAH 8270	DOC 9060									COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391693	NSP-SW-ER3-11/05-NB-Fil	11/15/05	1445	SW	3	2	1									
2.	391694	NSP-SW-ER3-11/05-Mid-Fil	11/15/05	1445	SW	3	2	1									
3.	391695	NSP-SW-ER3-11/05-NB-UNFil	11/15/05	1445	SW	3	2										
4.	391696	NSP-SW-ER3-11/05-Mid-UNFil	11/15/05	1445	SW	3	2										
5.	391697	Trip Blank	~~11/15/05~~ SMS 6/15/05	~~1445~~ SMS 0845	SW	1											
6.					SW												
7.					SW												
8.					SW												
9.					SW												
10.					SW												

ONE SAMPLE PER LINE

COLLECTED BY (signature) DR [signature]	CUSTODY SEAL NO. (IF ANY) —	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature) E. [signature]	DATE/TIME 11-14-05 / 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR
STE 500
MILWAUKEE, WI 53226

INVOICE TO SAME AS ABOVE

RECEIVED AT NLS BY (signature) Debbie Wilson	DATE/TIME 11-16-05 15:00	CONDITION on ice	TEMP.
COOLER # 50-17	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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ORIGINAL COPY

SAMPLE C LECTION AND CHAIN OF CUSTODY REC D

NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

Wisconsin Lab Cert. No. 721026460

WI DATCP 105-000330

NO. 82209

CLIENT	URS CORPORATION
ADDRESS	10200 INNOVATION DR. STE 500
CITY / STATE / ZIP	MILWAUKEE, WI 53226
PROJECT DESCRIPTION / NO.	256 88375.50000
QUOTATION NO.	
DNR FID #	
DNR LICENSE #	
CONTACT	PAUL SKLAR
PHONE	414-831-4150
PURCHASE ORDER NO.	
FAX	414-831-4101

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
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PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ITEM NO.	NLS LAB. NO.	SAMPLE ID	COLLECTION DATE	COLLECTION TIME	MATRIX (See above)	ANALYZE PER ORDER OF ANALYSIS: VOCs 8260	PAH 8270	DGC 9060	COLLECTION REMARKS (i.e. DNR Well ID #)
1.	391698	SW-ERA7-1105-MID-FIL	11/15/05	1210	SW	3	2	1	
2.	391699	SW-ERA7-1105-NB-FIL	11/15/05	1210	SW	3	2	1	
3.	391700	SW-ERA7-1105-NB-UNF	11/15/05	1210	SW	3	2	-	
4.	391701	SW-ERA-1105-MID-UNF	11/15/05	1210	SW	3	2	-	
5.	391702	SQ EQUIPBLANK-02-1105	11/15/05	16:45	SW	3	2	1	
6.					SW				
7.					SW				
8.					SW				
9.					SW				
10.					SW				

ONE SAMPLE PER LINE

COLLECTED BY (signature) DR	CUSTODY SEAL NO. (IF ANY) —	DATE/TIME 11/15/05
RELINQUISHED BY (signature)	RECEIVED BY (signature)	DATE/TIME 11-16-05 / 1345
DISPATCHED BY (signature)	METHOD OF TRANSPORT	DATE/TIME

REPORT TO
PAUL SKLAR
URS CORPORATION
10200 INNOVATION DR, STE 500
MILWAUKEE, WI 53226

INVOICE TO
SAME AS ABOVE

RECEIVED AT NLS BY (signature) Debbie Wilson	DATE/TIME 11-16-05 15:00	CONDITION once	TEMP.
COOLER # 50-44	REMARKS & OTHER INFORMATION		
	WDNR FACILITY NUMBER	E-MAIL ADDRESS	

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
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H = hydrochloric acid

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