APPENDIX G

LABORATORY ANALYTICAL DATA AND

VALIDATION SUMMARY REPORT

DATA ASSESSMENT SUMMARY
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

This assessment summary addresses quality control deficiencies resulting in qualification of the data for the subsurface soil, surface soil, and groundwater samples collected May 23, 2005 through June 21, 2005 at the Former State Road MGP Sites located in Lockport, New York. The samples were sent to Severn Trent Laboratories (STL, Amherst, NY) for analysis. A complete list of the samples is presented on Table G-1, which includes sample matrices, collection dates, identification of quality control (QC) samples, and the laboratory report number in which the results were reported.

The soil boring samples were analyzed for: target compound list (TCL) volatile organic compounds (VOCs) by USEPA Method SW8260B; TCL semivolatile organic compounds (SVOCs) by USEPA Method SW8270C; TCL polychlorinated biphenyls (PCBs) by USEPA Method SW8082; target analyte list (TAL) metals by USEPA Methods SW6010B/SW7471A; total cyanide by USEPA Method SW9012A; total recoverable phenolics by USEPA Method SW9065; and total organic carbon (TOC) by the USEPA Region II Lloyd Kahn Method. Not all samples were analyzed for all parameters.

The surface soil samples were analyzed for: TCL SVOCs by USEPA Method SW8270C; TCL PCBs by USEPA Method SW8082; TAL metals by USEPA Methods SW6010B/SW7471A; total cyanide by USEPA Method SW9012A; and total recoverable phenolics by USEPA Method SW9065.

Some of the soil boring and surface soil samples were analyzed for natural oxidant demand by Carus Chemical Company, (Peru, IL) and/or additional cyanide parameters (i.e., free cyanide and iron cyanide complexes) by Clarkson University Department of Civil and Environmental Engineering, (Potsdam, NY). Information pertaining to these samples is not provided on Table G-1 since the associated laboratory reports are provided in full in Attachments A and B. The Clarkson University laboratory also performed total cyanide analyses on the soil samples submitted for additional cyanide analyses. The results from these analyses are identified as 'Total Cyanide (Secondary Lab)' on Tables G-2 and G-3.

The groundwater samples and equipment rinsate blanks were analyzed for: TCL VOCs by USEPA Method SW8260B; TCL SVOCs by USEPA Method SW8270C; TCL PCBs by USEPA Method SW8082; TAL metals plus dissolved iron by USEPA Methods SW6010B/SW7470A; total cyanide by USEPA Method SW9012A; total recoverable phenolics by USEPA Method 420.2; total dissolved solids (TDS) by USEPA Method 160.1; chloride and sulfate by USEPA Method 300.0; nitrate and nitrite by USEPA Method 353.2; total alkalinity by USEPA Method 310.1; and sulfide by USEPA Method 376.2. Not all samples and blanks were analyzed for all parameters.

Trip blanks were sent to the laboratory along with each shipment of groundwater samples and analyzed for TCL VOCs by USEPA Method 8260B.

Data validation was performed in accordance with the project Quality Assurance Project Plan (QAPP, URS November 2004), and was limited to a review of holding times, surrogate spikes, matrix spike/matrix spike duplicates (MS/MSD), matrix duplicates (MD), field duplicates (FD), and blanks (method, rinsate, and calibration). Qualification of data was made following the procedures outlined in the following USEPA Region II documents:

Standard Operating Procedure for the Validation of Organic Data Acquired using SW-846 Method 8260B, SOP No. HW-24, Revision 1, June 1999;

Standard Operating Procedure for the Validation of Organic Data Acquired using SW-846 Method 8270C, SOP No. HW-22, Revision 2, June 2001;

Standard Operating Procedure for the Validation of Organic Data Acquired using SW-846 Method 8082 SOP No. HW-23B, Revision 1, May 2002;

CLP Organics Data Review and Preliminary Review, SOP No. HW-6, Revision 12, March 2001; and

Evaluation of Metals Data for the CLP based on SOW 3/90, SOP Revision XI, January 1992.

The validated analytical results are presented on Tables G-2 through G5. Definitions of data qualifiers are presented at the end of this summary. The specific data qualifiers applied to the sample results are provided for each laboratory report as discussed in Section II below. Chain-of-custody (COC) records, laboratory report case narratives, and documentation supporting the qualification of data (when applicable) are provided in Attachment C. All documentation in Attachment C is separated by laboratory report number.

I. General Discussion

The analyses were performed in accordance with the referenced analytical methods. Analyte quantitation limits (QLs)/reporting limits (RLs) were reported in accordance with the method requirements, and were adjusted for sample size, dilution, and percent moisture. It should be noted that the VOC, SVOC, and PCB fractions of various samples required dilution prior to analysis due to elevated concentrations of target compounds, matrix interferences, and/or high viscosity of sample extracts. The QLs reported on Tables G-2 through G-5 are the lowest achievable at the level of dilution performed.

Samples designated for matrix spike/matrix spike duplicate (or matrix duplicate) (MS/MSD/MD) analyses are shown on Table G-1. In addition to these, the laboratory performed MS/MSD/MD analyses on other samples collected from this site and/or from the Former Transit Street MGP site as needed to fulfill batch quality control requirements. Samples from the Former Transit Street MGP site are not listed on Table G-1. Qualification of data was made based on the MS/MSD/MD results most applicable to the samples in each laboratory batch/report.

Field duplicates (FD) are also identified on Table G-1. USEPA Region II validation guidelines do not provide criteria for qualification of VOC, SVOC, or PCB data based on FD results. Any qualification of metals and wet chemistry data based on FD results are discussed in subsequent sections of this summary.

II. Analyses Performed by STL

STL Report Numbers A05-5354 and A05-5355 (Rinsate Blank Collected May 25, 2005)

No data required qualification.

STL Report Numbers A05-5283 and A05-5300 (Soil Boring Samples Collected May 23-24, 2005)

The reported concentrations of VOC methylene chloride in sample GB-31 9.5-10.5 was less than ten times the concentration in the associated method blank. The result for methylene chloride in this sample was raised to the QL and qualified 'U'.

Pentachlorophenol was not recovered (i.e., 0%) in the SVOC MS/MSD analyses associated with the soil samples. While USEPA region II validation guidelines do not require qualification of data based solely on MS/MSD results, the data reviewer believes some qualification of the data is warranted in this instance. Using professional judgment, the result for pentachlorophenol in all soil boring samples were qualified 'UJ'.

The recoveries for the following metals in the MS and/or MSD analyses of soil sample GB-16 0.5-1.5 were outside QC limits: antimony (Sb), barium (Ba), beryllium (Be), chromium (Cr), copper (Cu), mercury (Hg), potassium (K), lead (Pb), selenium (Se), silver (Ag), vanadium (V), and zinc (Zn). The results for these analytes were qualified 'J' or 'UJ' in all soil boring samples.

The recovery of total cyanide in the matrix spike analysis of sample GB-16 0.5-1.5 was below the lower QC limit. The results for total cyanide were qualified 'J' or 'UJ' in all soil boring samples.

STL Report Numbers A05-5402 and A05-5403 (Soil Boring and Rinsate Blank Samples Collected May 26, 2005)

The reported concentrations of VOC methylene chloride in both soil samples were less than ten times the concentration in the associated method blank. The results for methylene chloride in both soil boring samples were qualified 'U' at the reported concentration.

The reported concentration of VOC bromomethane in sample GB-29 13-14 was less than five times the concentration in the associated method blank. The result for bromomethane in this sample was raised to the QL and qualified 'U'.

The recoveries for all metals except arsenic (As), calcium (Ca, manganese (Mn), and Hg in the MS and/or MSD analyses associated with the soil boring samples were outside QC limits. The results for all metals except As, Ca, Mn, and Hg were qualified 'J' or 'UJ' in both soil boring samples.

The metals serial dilution analysis of sample GB-30 13.6-14.6 exhibited a %D greater than 10% for aluminum (Al) and iron (Fe). The results for these analytes were qualified 'J' in both soil boring samples.

The RPD between the concentration of Mn in soil sample GB-06 8.5-10.5 (Transit Street sample) and the concentration in the FD of this sample was greater than 100%. The results for Mn were qualified 'J' in both soil boring samples.

STL Report Numbers A05-5404 and A05-5462 (Soil Boring Samples Collected May 26-27, 2005, Total Organic Carbon Only)

No data required qualification.

STL Report Numbers A05-5460, A05-5461, A05-5544, and A05-5545 (Soil Boring and Rinsate Blank Samples Collected May 27 and 31, 2005)

The reported concentrations of VOC methylene chloride in all soil boring samples were less than ten times the concentration in the associated method blank. The results for methylene chloride in all soil samples were raised to the QL and qualified 'U' or, if the sample concentration was greater than the QL, qualified 'U' at the reported concentration.

The reported concentrations of VOC bromomethane in all soil samples in which it was detected were less than five times the concentration in the associated method blank. The results for bromomethane in these samples were raised to the QL and qualified 'U'.

The reported concentration of SVOC bis(2-ethylhexyl)phthalate in soil sample GB-35 3-5 was less than ten times the concentration in the associated method blank. The results for bis(2-ethylhexyl)phthalate in this soil sample was raised to the QL and qualified 'U'.

The recoveries for all metals except Al, Ca, Fe, magnesium (Mg), Mn, and Hg in the MS and/or MSD analyses associated with the soil boring samples in Report Number A05-5461 were outside QC limits. The results for all analytes except Al, Ca, Fe, Mg, Mn, and Hg were qualified 'J' or 'UJ' in all soil boring samples in Report Number A05-5461.

The recoveries for the following metals in the MS and/or MSD analyses associated with the soil boring samples in Report Number A05-5544 were outside QC limits: Sb, As, Ba, Be, cadmium (Cd), Cr, cobalt (Co), Cu, nickel (Ni), Se, Ag, sodium (Na), thallium (Tl), V, and Zn. The results for these analytes were qualified 'J' or 'UJ' in all soil boring samples in Report Number A05-5544.

The metals serial dilution analysis associated with the soil boring samples in Report Number A05-5461 exhibited a %D greater than 10% for Al, Fe, and Mn. The results for these analytes were qualified 'J' in all soil boring samples in Report Number A05-5461.

The metals serial dilution analysis associated with the soil boring samples in Report Number A05-5544 exhibited a %D greater than 10% for Ba, Fe, and Mn. The results for these analytes were qualified 'J' in all soil boring samples in Report Number A05-5544.

The recoveries of total cyanide in the MS/MSD analyses associated with all soil boring samples were below QC limits. The results for total cyanide were qualified 'J' or 'UJ' in all soil boring samples.

STL Report Numbers A05-5668 and A05-5670 (Surface Soils and Rinsate Blank Collected June 2, 2005)

The recoveries for all metals except calcium, iron, magnesium, manganese, and mercury in the MS and/or MSD analyses associated with the surface soil samples were outside QC limits. The results for these analytes were qualified 'J' or 'UJ' in all surface soil samples.

The metals serial dilution analysis exhibited a %D greater than 10% for Al, Ba, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, V, and Zn. The results for these analytes were qualified 'J' in all surface soil samples.

STL Report Numbers A05-6308 and A05-6309 (Groundwater Samples Collected June 20, 2005)

The recoveries of total cyanide in the MS/MSD analyses associated with the groundwater samples were below the lower QC limit. The results for total cyanide were qualified 'J' or 'UJ' in all groundwater samples.

STL Report Numbers A05-6376 and A05-6377 (Groundwater Samples Collected June 21, 2005)

The recovery of total phenolics in the MSD analysis associated with the groundwater samples was below the lower QC limit. The results for total phenolics were qualified 'J' in both groundwater samples.

STL Report Numbers A05-6062 and A05-6063 (Rinsate Blank Collected June 13, 2005)

No data required qualification.

STL Report Numbers A05-6538 and A05-6539 (Rinsate Blank Collected June 23, 2005)

No data required qualification.

III. Additional Analyses

Natural Oxidant Demand (NOD)

Five soil boring samples were sent to Carus Chemical Company (Peru, IL). The 48-hour NOD of the samples was determined at low, medium, and high doses of potassium permanganate. The results from these analyses are summarized on Table G-2. No quality control problems during sample analyses were noted in the laboratory reports. Copies of the laboratory reports, which describe the analyses in more detail, are provided in Attachment A.

Cyanide Analyses

In addition to the total cyanide analyses performed by STL, six soil boring samples (plus one field duplicate) and two surface soil samples were sent to the Department of Civil and Environmental Engineering at Clarkson University (Potsdam, NY) for further cyanide testing. These samples were selected for further analysis based on total cyanide concentrations above detectable levels in the analyses performed by STL.

The samples were analyzed for total cyanide by Standard Method 4500-CN, free (diffusible) cyanide by ASTM Method D4282-95, and iron cyanide complexes by ASTM method D6994-04. The results from these analyses are summarized on Tables G-2 and G-3.

Although some modifications to the referenced methods were required because of sample volume or matrix-related limitations, the analyses were performed successfully and no quality control

problems were noted in the laboratory reports. Copies of the laboratory reports, which describe the analyses in more detail, are provided in Attachment B.

DEFINITIONS OF DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N – The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ – The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

B – The analyte was detected in the sample at a concentration greater than the instrument detection limit, but less than the quantitation limit (used for metals only).

R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Table G-1
Sample Identification Summary
Former State Road MGP Site - Lockport, New York
New York State Electric & Gas

Sample Type	Location ID	Sample ID	Collection Date	QC	STL Report Number
Soil Borings	GB-31	GB-31 9.5-10.5	5/23/2005-5/24/05		A05-5283 A05-5300 (Cyanide Only)
	GB-32	GB-32 4-5			
	GB-33	GB-33 3-4			
	GB-29	GB-29 13-14	5/26/05		A05-5403 A05-5402 (Cyanide Only)
	GB-30	GB-30 13.6-14.6			
	GB-34	GB-34 14-16	5/27/05	MS/MSD	A05-5461 A05-5460 (Cyanide Only)
	GB-34	GB-34 17-18			
	GB-36	GB-36 11-12			
	GB-36	GB-36 18-19			
	GB-37	GB-37 14-16			
	GB-37	GB-37 18.5-19.5			
	GB-38	GB-38 14-16			
	GB-38	GB-38 22-23			
	GB-39	GB-39 6-8			
	GB-39	DUP-05 (6-8)		Field Duplicate	
	GB-39	GB-39 21-22			
	GB-29	GB-29 12-13	5/26/05		A05-5404 (TOC Only)
	GB-30	GB-30 12.5-13.5			
	GB-37	GB-37 13-14	5/27/05		A05-5462 (TOC Only)
	GB-39	GB-39 14-16			
	GB-28	GB-28 7-9	5/31/05		A05-5544 A05-5545 (Cyanide Only)
	GB-35	GB-35 3-5			
Surface Soils	SS-01	SS-01	6/2/05		A05-5670 A05-5668 (Cyanide Only)
	SS-02	SS-02			
	SS-02	DUP-07		Field Duplicate	
	SS-03	SS-03		MS/MSD	
	SS-04	SS-04			
	SS-05	SS-05			
	SS-06	SS-06			
Monitoring Well Groundwaters	BMW-04-04	BMW-04-04-GW	6/20/05		A05-6308 A05-6309 (Cyanide Only)
	BMW-04-05	BMW-04-05-GW			
	BMW-04-05	FD-6-20-05		Field Duplicate	
	BMW-04-06	BMW-04-06-GW	6/21/05		A05-6376 A05-6377 (Cyanide Only)
	BMW-04-07	BMW-04-07-GW			
Rinsate Blanks		RB-01	5/25/05	Soil Borings	A05-5354/A05-5355 (Cyanide Only)
		RB-02	5/26/05	Soil Borings	A05-5403/A05-5402 (Cyanide Only)
		RB-03	5/31/05	Soil Borings	A05-5544/A05-5545 (Cyanide Only)
		RB-05	6/2/05	Surface Soil	A05-5670/A05-5668 (Cyanide Only)
		EB-6-13-05	6/13/05	Monitoring Well Groundwater (Peristaltic Pump)	A05-6062/A05-6063 (Cyanide Only)
		EB-6-23-05	6/23/05	Monitoring Well Groundwater (Submersible Pump)	A05-6538/A05-6539 (Cyanide Only)
Trip Blanks		TB-6-20-05	6/20/05		A05-6308
		TB-6-21-05	6/21/05		A05-6376

MS/MSD - Matrix spike/matrix spike duplicate analyses requested on these samples.

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-28	GB-29	GB-29	GB-30	GB-30
Sample ID		GB-28 (7-9)	GB-29 (12-13)	GB-29 (13-14)	GB-30 (12.5-13.5)	GB-30 (13.6-14.6)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-9.0	12.0-13.0	13.0-14.0	12.5-13.5	13.6-14.6
Date Sampled		05/31/05	05/26/05	05/26/05	05/26/05	05/26/05
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,1,2,2-Tetrachloroethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,1,2-Trichloroethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,1-Dichloroethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,1-Dichloroethene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,2,4-Trichlorobenzene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,2-Dibromo-3-chloropropane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,2-Dichlorobenzene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,2-Dichloroethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,2-Dichloroethene (cis)	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,2-Dichloroethene (trans)	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,2-Dichloropropane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,3-Dichlorobenzene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,3-Dichloropropene (cis)	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,3-Dichloropropene (trans)	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
1,4-Dichlorobenzene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
2-Hexanone	MG/KG	0.028 U	NA	0.027 U	NA	0.029 U
4-Methyl-2-pentanone	MG/KG	0.028 U	NA	0.027 U	NA	0.029 U
Acetone	MG/KG	0.032	NA	0.027 U	NA	0.029 U
Benzene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Bromodichloromethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Prepared By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-28	GB-29	GB-29	GB-30	GB-30
Sample ID		GB-28 (7-9)	GB-29 (12-13)	GB-29 (13-14)	GB-30 (12.5-13.5)	GB-30 (13.6-14.6)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-9.0	12.0-13.0	13.0-14.0	12.5-13.5	13.6-14.6
Date Sampled		05/31/05	05/26/05	05/26/05	05/26/05	05/26/05
Parameter	Units					
Volatile Organic Compounds						
Bromoform	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Bromomethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Carbon disulfide	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Carbon tetrachloride	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Chlorobenzene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Chloroethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Chloroform	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Chloromethane	MG/KG	0.006 U	NA	0.003 J	NA	0.006 U
Cyclohexane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Bromochloromethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Dichlorodifluoromethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Ethylbenzene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Isopropylbenzene (Cumene)	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Methyl acetate	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.036	NA	0.027 U	NA	0.029 U
Methyl tert-butyl ether	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Methylcyclohexane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Methylene chloride	MG/KG	0.006 U	NA	0.012 U	NA	0.008 U
Styrene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Tetrachloroethene	MG/KG	0.004 J	NA	0.005 U	NA	0.006 U
Toluene	MG/KG	0.006 U	NA	0.005 U	NA	0.004 J
Trichloroethene	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U
Trichlorofluoromethane	MG/KG	0.006 U	NA	0.005 U	NA	0.006 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

e By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-28	GB-29	GB-29	GB-30	GB-30
Sample ID		GB-28 (7-9)	GB-29 (12-13)	GB-29 (13-14)	GB-30 (12.5-13.5)	GB-30 (13.6-14.6)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-9.0	12.0-13.0	13.0-14.0	12.5-13.5	13.6-14.6
Date Sampled		05/31/05	05/26/05	05/26/05	05/26/05	05/26/05
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.011 U	NA	0.011 U	NA	0.011 U
Xylene (total)	MG/KG	0.017 U	NA	0.016 U	NA	0.017 U
Total BTEX	MG/KG	ND	NA	ND	NA	0.004
Total Volatile Organic Compounds	MG/KG	0.072	NA	0.003	NA	0.004
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2,2-oxybis(1-Chloropropane)	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2,4,5-Trichlorophenol	MG/KG	18 U	NA	0.88 U	NA	0.93 U
2,4,6-Trichlorophenol	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2,4-Dichlorophenol	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2,4-Dimethylphenol	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2,4-Dinitrophenol	MG/KG	36 U	NA	1.8 U	NA	1.9 U
2,4-Dinitrotoluene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2,6-Dinitrotoluene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2-Chloronaphthalene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2-Chlorophenol	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2-Methylnaphthalene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2-Methylphenol (o-cresol)	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
2-Nitroaniline	MG/KG	36 U	NA	1.8 U	NA	1.9 U
2-Nitrophenol	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
3,3-Dichlorobenzidine	MG/KG	45 U	NA	2.2 U	NA	2.3 U
3-Nitroaniline	MG/KG	36 U	NA	1.8 U	NA	1.9 U
4,6-Dinitro-2-methylphenol	MG/KG	36 U	NA	1.8 U	NA	1.9 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

e By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
N:\11173467.00000\DB\Program\EDMS.mde
Printed: 3/8/2006 2:08:31 PM
[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-28	GB-29	GB-29	GB-30	GB-30
Sample ID		GB-28 (7-9)	GB-29 (12-13)	GB-29 (13-14)	GB-30 (12.5-13.5)	GB-30 (13.6-14.6)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-9.0	12.0-13.0	13.0-14.0	12.5-13.5	13.6-14.6
Date Sampled		05/31/05	05/26/05	05/26/05	05/26/05	05/26/05
Parameter	Units					
Semivolatile Organic Compounds						
4-Bromophenyl-phenylether	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
4-Chloro-3-methylphenol	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
4-Chloroaniline	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
4-Chlorophenyl-phenylether	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
4-Methylphenol (p-cresol)	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
4-Nitroaniline	MG/KG	36 U	NA	1.8 U	NA	1.9 U
4-Nitrophenol	MG/KG	36 U	NA	1.8 U	NA	1.9 U
Acenaphthene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Acenaphthylene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
etophenone	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Anthracene	MG/KG	0.61 J	NA	0.36 U	NA	0.38 U
Atrazine	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Benzaldehyde	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Benzo(a)anthracene	MG/KG	1.4 J	NA	0.36 U	NA	0.38 U
Benzo(a)pyrene	MG/KG	1.2 J	NA	0.36 U	NA	0.38 U
Benzo(b)fluoranthene	MG/KG	1.8 J	NA	0.36 U	NA	0.38 U
Benzo(g,h,i)perylene	MG/KG	0.76 J	NA	0.36 U	NA	0.38 U
Benzo(k)fluoranthene	MG/KG	2.0 J	NA	0.36 U	NA	0.38 U
bis(2-Chloroethoxy)methane	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
bis(2-Chloroethyl)ether	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
bis(2-Ethylhexyl)phthalate	MG/KG	7.4 U	NA	0.033 J	NA	0.38 U
Butylbenzylphthalate	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Caprolactam	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-28	GB-29	GB-29	GB-30	GB-30
Sample ID		GB-28 (7-9)	GB-29 (12-13)	GB-29 (13-14)	GB-30 (12.5-13.5)	GB-30 (13.6-14.6)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-9.0	12.0-13.0	13.0-14.0	12.5-13.5	13.6-14.6
Date Sampled		05/31/05	05/26/05	05/26/05	05/26/05	05/26/05
Parameter	Units					
Semivolatile Organic Compounds						
Carbazole	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Chrysene	MG/KG	1.4 J	NA	0.36 U	NA	0.38 U
Dibenz(a,h)anthracene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Dibenzofuran	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Diethylphthalate	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Dimethylphthalate	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Di-n-butylphthalate	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Di-n-octylphthalate	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Fluoranthene	MG/KG	3.5 J	NA	0.36 U	NA	0.38 U
orene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Hexachlorobenzene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Hexachlorobutadiene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Hexachlorocyclopentadiene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Hexachloroethane	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.69 J	NA	0.36 U	NA	0.38 U
Isophorone	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Naphthalene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Nitrobenzene	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
N-Nitroso-di-n-propylamine	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
N-Nitrosodiphenylamine	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U
Pentachlorophenol	MG/KG	36 U	NA	1.8 U	NA	1.9 U
Phenanthrene	MG/KG	2.6 J	NA	0.36 U	NA	0.38 U
Phenol	MG/KG	7.4 U	NA	0.36 U	NA	0.38 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-28	GB-29	GB-29	GB-30	GB-30
Sample ID		GB-28 (7-9)	GB-29 (12-13)	GB-29 (13-14)	GB-30 (12.5-13.5)	GB-30 (13.6-14.6)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-9.0	12.0-13.0	13.0-14.0	12.5-13.5	13.6-14.6
Date Sampled		05/31/05	05/26/05	05/26/05	05/26/05	05/26/05
Parameter	Units					
Semivolatile Organic Compounds						
Pyrene	MG/KG	2.3 J	NA	0.36 U	NA	0.38 U
Total Carcinogenic PAHs	MG/KG	8.49	NA	ND	NA	ND
Total Non-Carcinogenic PAHs	MG/KG	9.77	NA	ND	NA	ND
Total Polycyclic Aromatic Hydrocarbons	MG/KG	18.26	NA	ND	NA	ND
Total Semivolatile Organic Compounds	MG/KG	18.26	NA	0.033	NA	ND
Polychlorinated Biphenyls						
Aroclor 1016	MG/KG	0.093 U	NA	0.018 U	NA	0.019 U
Aroclor 1221	MG/KG	0.093 U	NA	0.018 U	NA	0.019 U
Aroclor 1232	MG/KG	0.093 U	NA	0.018 U	NA	0.019 U
Aroclor 1242	MG/KG	0.093 U	NA	0.018 U	NA	0.019 U
Aroclor 1248	MG/KG	0.093 U	NA	0.018 U	NA	0.019 U
Aroclor 1254	MG/KG	0.093 U	NA	0.018 U	NA	0.019 U
Aroclor 1260	MG/KG	0.093 U	NA	0.018 U	NA	0.019 U
Total Polychlorinated Biphenyls	MG/KG	ND	NA	ND	NA	ND
Metals						
Aluminum	MG/KG	4,920	NA	2,520 J	NA	3,350 J
Antimony	MG/KG	15.8 UJ	NA	18.3 UJ	NA	18.8 UJ
Arsenic	MG/KG	2.6 J	NA	2.4 U	NA	2.5 U
Barium	MG/KG	53.0 J	NA	26.6 J	NA	22.7 J
Beryllium	MG/KG	0.27 J	NA	0.24 UJ	NA	0.27 J
Cadmium	MG/KG	0.21 UJ	NA	0.24 UJ	NA	0.25 UJ
Calcium	MG/KG	35,500	NA	49,800	NA	21,000
Chromium	MG/KG	7.4 J	NA	3.6 J	NA	3.8 J

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-28	GB-29	GB-29	GB-30	GB-30
Sample ID		GB-28 (7-9)	GB-29 (12-13)	GB-29 (13-14)	GB-30 (12.5-13.5)	GB-30 (13.6-14.6)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-9.0	12.0-13.0	13.0-14.0	12.5-13.5	13.6-14.6
Date Sampled		05/31/05	05/26/05	05/26/05	05/26/05	05/26/05
Parameter	Units					
Metals						
Cobalt	MG/KG	4.0 J	NA	2.7 J	NA	2.7 J
Copper	MG/KG	12.0 J	NA	9.6 J	NA	6.0 J
Iron	MG/KG	8,460 J	NA	5,330 J	NA	5,460 J
Lead	MG/KG	108	NA	1.9 J	NA	1.6 J
Magnesium	MG/KG	14,700	NA	4,700 J	NA	3,970 J
Manganese	MG/KG	457 J	NA	446 J	NA	254 J
Mercury	MG/KG	0.189	NA	0.017 U	NA	0.018 U
Nickel	MG/KG	8.9 J	NA	5.0 J	NA	5.7 J
Potassium	MG/KG	718	NA	634 J	NA	654 J
Selenium	MG/KG	0.53 UJ	NA	4.9 UJ	NA	5.0 UJ
Silver	MG/KG	0.53 UJ	NA	0.61 UJ	NA	0.63 UJ
Sodium	MG/KG	147 UJ	NA	171 UJ	NA	175 UJ
Thallium	MG/KG	6.3 UJ	NA	7.3 UJ	NA	7.5 UJ
Vanadium	MG/KG	9.5 J	NA	5.4 J	NA	6.0 J
Zinc	MG/KG	63.5 J	NA	13.0 J	NA	19.7 J
Miscellaneous Parameters						
Total Cyanide	MG/KG	1.1 UJ	NA	1.1 U	NA	1.1 U
Phenolics, Total Recoverable	MG/KG	5.7 U	NA	5.4 U	NA	5.9 U
Total Organic Carbon (TOC)	MG/KG	NA	24,400	NA	386	NA
Total Cyanide (Secondary Lab)	MG/KG	NA	NA	NA	NA	NA
Free Cyanide	MG/KG	NA	NA	NA	NA	NA
Ferric/Ferrous Iron Cyanide Complex	MG/KG	NA	NA	NA	NA	NA
Unknown Iron Cyanide Complex	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-28	GB-29	GB-29	GB-30	GB-30
Sample ID		GB-28 (7-9)	GB-29 (12-13)	GB-29 (13-14)	GB-30 (12.5-13.5)	GB-30 (13.6-14.6)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		7.0-9.0	12.0-13.0	13.0-14.0	12.5-13.5	13.6-14.6
Date Sampled		05/31/05	05/26/05	05/26/05	05/26/05	05/26/05
Parameter	Units					
Miscellaneous Parameters						
Natural Oxidant Demand (Low Dose)	G/KG	NA	0.7	NA	0.9	NA
Natural Oxidant Demand (Medium Dose)	G/KG	NA	1.2	NA	1.6	NA
Natural Oxidant Demand (High Dose)	G/KG	NA	1.3	NA	1.5	NA

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-31	GB-32	GB-33	GB-34	GB-34
Sample ID		GB-31 (9.5-10.5)	GB-32 (4-5)	GB-33 (3-4)	GB-34 (14-16)	GB-34 (17-18)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.5-10.5	4.0-5.0	3.0-4.0	14.0-16.0	17.0-18.0
Date Sampled		05/23/05	05/23/05	05/23/05	05/27/05	05/27/05
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,1,2,2-Tetrachloroethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,1,2-Trichloroethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,1-Dichloroethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,1-Dichloroethene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,2,4-Trichlorobenzene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,2-Dibromo-3-chloropropane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
2-Dichlorobenzene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,2-Dichloroethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,2-Dichloroethene (cis)	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,2-Dichloroethene (trans)	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,2-Dichloropropane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,3-Dichlorobenzene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,3-Dichloropropene (cis)	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,3-Dichloropropene (trans)	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
1,4-Dichlorobenzene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
2-Hexanone	MG/KG	0.027 U	0.027 U	0.028 U	0.027 U	0.029 U
4-Methyl-2-pentanone	MG/KG	0.027 U	0.027 U	0.028 U	0.027 U	0.029 U
Acetone	MG/KG	0.027 U	0.027 U	0.028 U	0.027 U	0.029 U
Benzene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Bromodichloromethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-31	GB-32	GB-33	GB-34	GB-34
Sample ID		GB-31 (9.5-10.5)	GB-32 (4-5)	GB-33 (3-4)	GB-34 (14-16)	GB-34 (17-18)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.5-10.5	4.0-5.0	3.0-4.0	14.0-16.0	17.0-18.0
Date Sampled		05/23/05	05/23/05	05/23/05	05/27/05	05/27/05
Parameter	Units					
Volatile Organic Compounds						
Bromoform	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Bromomethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Carbon disulfide	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Carbon tetrachloride	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Chlorobenzene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Chloroethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Chloroform	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Chloromethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Cyclohexane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Bromochloromethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Dichlorodifluoromethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Ethylbenzene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Isopropylbenzene (Cumene)	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Methyl acetate	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.027 U	0.027 U	0.028 U	0.027 U	0.029 U
Methyl tert-butyl ether	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Methylcyclohexane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Methylene chloride	MG/KG	0.005 U	0.005 U	0.006 U	0.010 U	0.007 U
Styrene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Tetrachloroethene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Toluene	MG/KG	0.002 J	0.005 U	0.003 J	0.005	0.002 J
Trichloroethene	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U
Trichlorofluoromethane	MG/KG	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

e By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-31	GB-32	GB-33	GB-34	GB-34
Sample ID		GB-31 (9.5-10.5)	GB-32 (4-5)	GB-33 (3-4)	GB-34 (14-16)	GB-34 (17-18)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.5-10.5	4.0-5.0	3.0-4.0	14.0-16.0	17.0-18.0
Date Sampled		05/23/05	05/23/05	05/23/05	05/27/05	05/27/05
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
Xylene (total)	MG/KG	0.016 U	0.016 U	0.017 U	0.016 U	0.017 U
Total BTEX	MG/KG	0.002	ND	0.003	0.005	0.002
Total Volatile Organic Compounds	MG/KG	0.002	ND	0.003	0.005	0.002
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2,2-oxybis(1-Chloropropane)	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2,4,5-Trichlorophenol	MG/KG	9.0 U	0.88 U	0.88 U	18 U	17 U
2,4,6-Trichlorophenol	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2,4-Dichlorophenol	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2,4-Dimethylphenol	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2,4-Dinitrophenol	MG/KG	18 U	1.8 U	1.8 U	36 U	35 U
2,4-Dinitrotoluene	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2,6-Dinitrotoluene	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2-Chloronaphthalene	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2-Chlorophenol	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2-Methylnaphthalene	MG/KG	0.26 J	0.36 U	0.36 U	1.6 J	7.2 U
2-Methylphenol (o-cresol)	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
2-Nitroaniline	MG/KG	18 U	1.8 U	1.8 U	36 U	35 U
2-Nitrophenol	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
3,3-Dichlorobenzidine	MG/KG	23 U	2.2 U	2.2 U	44 U	44 U
3-Nitroaniline	MG/KG	18 U	1.8 U	1.8 U	36 U	35 U
4,6-Dinitro-2-methylphenol	MG/KG	18 U	1.8 U	1.8 U	36 U	35 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-31	GB-32	GB-33	GB-34	GB-34
Sample ID		GB-31 (9.5-10.5)	GB-32 (4-5)	GB-33 (3-4)	GB-34 (14-16)	GB-34 (17-18)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.5-10.5	4.0-5.0	3.0-4.0	14.0-16.0	17.0-18.0
Date Sampled		05/23/05	05/23/05	05/23/05	05/27/05	05/27/05
Parameter	Units					
Semivolatile Organic Compounds						
4-Bromophenyl-phenylether	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
4-Chloro-3-methylphenol	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
4-Chloroaniline	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
4-Chlorophenyl-phenylether	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
4-Methylphenol (p-cresol)	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
4-Nitroaniline	MG/KG	18 U	1.8 U	1.8 U	36 U	35 U
4-Nitrophenol	MG/KG	18 U	1.8 U	1.8 U	36 U	35 U
Acenaphthene	MG/KG	3.7 U	0.36 U	0.028 J	5.2 J	0.83 J
Acenaphthylene	MG/KG	0.76 J	0.024 J	0.019 J	1.4 J	7.2 U
Acetophenone	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Anthracene	MG/KG	1.0 J	0.029 J	0.064 J	13	2.6 J
Atrazine	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Benzaldehyde	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Benzo(a)anthracene	MG/KG	3.0 J	0.13 J	0.20 J	17	4.6 J
Benzo(a)pyrene	MG/KG	2.6 J	0.15 J	0.20 J	12	3.8 J
Benzo(b)fluoranthene	MG/KG	3.5 J	0.18 J	0.23 J	16	4.8 J
Benzo(g,h,i)perylene	MG/KG	2.0 J	0.10 J	0.13 J	8.7	2.9 J
Benzo(k)fluoranthene	MG/KG	1.2 J	0.061 J	0.075 J	5.8 J	1.5 J
bis(2-Chloroethoxy)methane	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
bis(2-Chloroethyl)ether	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.44 J	0.086 J	0.031 J	7.3 U	7.2 U
Butylbenzylphthalate	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Caprolactam	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Made By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-31	GB-32	GB-33	GB-34	GB-34
Sample ID		GB-31 (9.5-10.5)	GB-32 (4-5)	GB-33 (3-4)	GB-34 (14-16)	GB-34 (17-18)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.5-10.5	4.0-5.0	3.0-4.0	14.0-16.0	17.0-18.0
Date Sampled		05/23/05	05/23/05	05/23/05	05/27/05	05/27/05
Parameter	Units					
Semivolatile Organic Compounds						
Carbazole	MG/KG	0.34 J	0.36 U	0.020 J	6.8 J	0.92 J
Chrysene	MG/KG	2.7 J	0.12 J	0.18 J	14	4.1 J
Dibenz(a,h)anthracene	MG/KG	0.57 J	0.032 J	0.038 J	2.9 J	0.92 J
Dibenzofuran	MG/KG	0.34 J	0.36 U	0.36 U	6.8 J	0.60 J
Diethylphthalate	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Dimethylphthalate	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Di-n-butylphthalate	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Di-n-octylphthalate	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Fluoranthene	MG/KG	5.8	0.16 J	0.36	48	11
uorene	MG/KG	0.41 J	0.36 U	0.024 J	13	1.4 J
Hexachlorobenzene	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Hexachlorobutadiene	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Hexachlorocyclopentadiene	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Hexachloroethane	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Indeno(1,2,3-cd)pyrene	MG/KG	1.9 J	0.098 J	0.13 J	8.2	2.6 J
Isophorone	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Naphthalene	MG/KG	0.67 J	0.019 J	0.36 U	1.3 J	7.2 U
Nitrobenzene	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
N-Nitroso-di-n-propylamine	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
N-Nitrosodiphenylamine	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U
Pentachlorophenol	MG/KG	18 UJ	1.8 UJ	1.8 UJ	36 U	35 U
Phenanthrene	MG/KG	4.0	0.10 J	0.26 J	57	9.4
Phenol	MG/KG	3.7 U	0.36 U	0.36 U	7.3 U	7.2 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

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Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-31	GB-32	GB-33	GB-34	GB-34
Sample ID		GB-31 (9.5-10.5)	GB-32 (4-5)	GB-33 (3-4)	GB-34 (14-16)	GB-34 (17-18)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.5-10.5	4.0-5.0	3.0-4.0	14.0-16.0	17.0-18.0
Date Sampled		05/23/05	05/23/05	05/23/05	05/27/05	05/27/05
Parameter	Units					
Semivolatile Organic Compounds						
Pyrene	MG/KG	4.4	0.14 J	0.29 J	28	7.4
Total Carcinogenic PAHs	MG/KG	15.47	0.771	1.053	75.9	22.32
Total Non-Carcinogenic PAHs	MG/KG	19.3	0.572	1.175	177.2	35.53
Total Polycyclic Aromatic Hydrocarbons	MG/KG	34.77	1.343	2.228	253.1	57.85
Total Semivolatile Organic Compounds	MG/KG	35.89	1.429	2.279	266.7	59.37
Polychlorinated Biphenyls						
Aroclor 1016	MG/KG	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1221	MG/KG	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1232	MG/KG	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1242	MG/KG	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1248	MG/KG	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1254	MG/KG	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
Aroclor 1260	MG/KG	0.019 U	0.018 U	0.018 U	0.018 U	0.018 U
Total Polychlorinated Biphenyls	MG/KG	ND	ND	ND	ND	ND
Metals						
Aluminum	MG/KG	5,450	2,880	5,430	6,180 J	6,580 J
Antimony	MG/KG	16.8 UJ	17.8 UJ	16.5 UJ	16.4 UJ	17.7 UJ
Arsenic	MG/KG	8.8	2.4 U	2.5	4.5 J	4.9 J
Barium	MG/KG	44.9 J	21.3 J	62.0 J	51.7 J	56.7 J
Beryllium	MG/KG	0.50 J	0.39 J	0.32 J	0.34 J	0.36 J
Cadmium	MG/KG	0.22 U	0.24 U	0.22 U	0.22 UJ	0.24 UJ
Calcium	MG/KG	74,300	224,000	48,000	38,400	42,300
Chromium	MG/KG	9.4 J	4.5 J	7.0 J	8.1 J	10.9 J

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-31	GB-32	GB-33	GB-34	GB-34
Sample ID		GB-31 (9.5-10.5)	GB-32 (4-5)	GB-33 (3-4)	GB-34 (14-16)	GB-34 (17-18)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.5-10.5	4.0-5.0	3.0-4.0	14.0-16.0	17.0-18.0
Date Sampled		05/23/05	05/23/05	05/23/05	05/27/05	05/27/05
Parameter	Units					
Metals						
Cobalt	MG/KG	5.2	1.7	4.3	5.2 J	4.9 J
Copper	MG/KG	75.9 J	8.8 J	13.8 J	22.1 J	35.4 J
Iron	MG/KG	18,700	4,720	8,600	10,100 J	12,600 J
Lead	MG/KG	85.9 J	13.3 J	11.7 J	35.8 J	74.9 J
Magnesium	MG/KG	26,600	29,500	7,230	7,900	11,800
Manganese	MG/KG	442	337	395	612 J	493 J
Mercury	MG/KG	0.137 J	0.020 J	0.029 J	0.080	0.293
Nickel	MG/KG	189	4.9	9.0	18.3 J	15.4 J
Potassium	MG/KG	797 J	1,470 J	887 J	908 J	879 J
[redacted]enium	MG/KG	4.5 UJ	4.8 UJ	4.4 UJ	4.4 UJ	4.7 UJ
Silver	MG/KG	0.56 UJ	1.3 J	0.55 UJ	0.55 UJ	0.59 UJ
Sodium	MG/KG	157 U	442	154 U	153 UJ	165 UJ
Thallium	MG/KG	6.7 U	7.1 U	6.6 U	6.6 UJ	7.1 UJ
Vanadium	MG/KG	9.9 J	4.7 J	9.5 J	11.5 J	13.4 J
Zinc	MG/KG	66.6 J	12.0 J	59.2 J	46.6 J	61.4 J
Miscellaneous Parameters						
Total Cyanide	MG/KG	2.0 J	4.0 J	2.1 J	1.1 UJ	1.1 UJ
Phenolics, Total Recoverable	MG/KG	5.7 U	5.9 U	5.0 U	5.3 U	5.6 U
Total Organic Carbon (TOC)	MG/KG	NA	NA	NA	NA	NA
Total Cyanide (Secondary Lab)	MG/KG	17	1.39	8.44	NA	NA
Free Cyanide	MG/KG	0.33	0.04 U	0.05 U	NA	NA
Ferric/Ferrous Iron Cyanide Complex	MG/KG	14.6	0.46	7.76	NA	NA
Unknown Iron Cyanide Complex	MG/KG	0.82	2.71	0.1	NA	NA

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

[redacted]e By_JJL 3/8/06_
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Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-31	GB-32	GB-33	GB-34	GB-34
Sample ID		GB-31 (9.5-10.5)	GB-32 (4-5)	GB-33 (3-4)	GB-34 (14-16)	GB-34 (17-18)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		9.5-10.5	4.0-5.0	3.0-4.0	14.0-16.0	17.0-18.0
Date Sampled		05/23/05	05/23/05	05/23/05	05/27/05	05/27/05
Parameter	Units					
Miscellaneous Parameters						
Natural Oxidant Demand (Low Dose)	G/KG	NA	NA	NA	NA	NA
Natural Oxidant Demand (Medium Dose)	G/KG	NA	NA	NA	NA	NA
Natural Oxidant Demand (High Dose)	G/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-35	GB-36	GB-36	GB-37	GB-37
Sample ID		GB-35 (3-5)	GB-36 (11-12)	GB-36 (18-19)	GB-37 (13-14)	GB-37 (14-16)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-5.0	11.0-12.0	18.0-19.0	13.0-14.0	14.0-16.0
Date Sampled		05/31/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,1,2,2-Tetrachloroethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,1,2-Trichloroethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,1-Dichloroethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,1-Dichloroethene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,2,4-Trichlorobenzene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,2-Dibromo-3-chloropropane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
2-Dichlorobenzene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,2-Dichloroethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,2-Dichloroethene (cis)	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,2-Dichloroethene (trans)	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,2-Dichloropropane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,3-Dichlorobenzene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,3-Dichloropropene (cis)	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,3-Dichloropropene (trans)	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
1,4-Dichlorobenzene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
2-Hexanone	MG/KG	0.025 U	0.029 U	0.029 U	NA	0.028 U
4-Methyl-2-pentanone	MG/KG	0.025 U	0.029 U	0.029 U	NA	0.028 U
Acetone	MG/KG	0.025 U	0.045	0.045	NA	0.028 U
Benzene	MG/KG	0.005 U	0.002 J	0.006 U	NA	0.006 U
Bromodichloromethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U

Flags assigned during chemistry validation are shown.

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Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-35	GB-36	GB-36	GB-37	GB-37
Sample ID		GB-35 (3-5)	GB-36 (11-12)	GB-36 (18-19)	GB-37 (13-14)	GB-37 (14-16)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-5.0	11.0-12.0	18.0-19.0	13.0-14.0	14.0-16.0
Date Sampled		05/31/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units					
Volatile Organic Compounds						
Bromoform	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Bromomethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Carbon disulfide	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Carbon tetrachloride	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Chlorobenzene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Chloroethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Chloroform	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Chloromethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Cyclohexane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Dibromochloromethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Dichlorodifluoromethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Ethylbenzene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Isopropylbenzene (Cumene)	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Methyl acetate	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.025 U	0.006 J	0.006 J	NA	0.028 U
Methyl tert-butyl ether	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Methylcyclohexane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Methylene chloride	MG/KG	0.005 U	0.008 U	0.008 U	NA	0.008 U
Styrene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Tetrachloroethene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Toluene	MG/KG	0.005 U	0.003 J	0.006 U	NA	0.002 J
Trichloroethene	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U
Trichlorofluoromethane	MG/KG	0.005 U	0.006 U	0.006 U	NA	0.006 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Made By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-35	GB-36	GB-36	GB-37	GB-37
Sample ID		GB-35 (3-5)	GB-36 (11-12)	GB-36 (18-19)	GB-37 (13-14)	GB-37 (14-16)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-5.0	11.0-12.0	18.0-19.0	13.0-14.0	14.0-16.0
Date Sampled		05/31/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.01 U	0.012 U	0.012 U	NA	0.011 U
Xylene (total)	MG/KG	0.015 U	0.018 U	0.017 U	NA	0.017 U
Total BTEX	MG/KG	ND	0.005	ND	NA	0.002
Total Volatile Organic Compounds	MG/KG	ND	0.056	0.051	NA	0.002
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2,4,5-Trichlorophenol	MG/KG	0.87 U	18 U	0.93 U	NA	17 U
2,4,6-Trichlorophenol	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2,4-Dichlorophenol	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2,4-Dimethylphenol	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2,4-Dinitrophenol	MG/KG	1.7 U	37 U	1.8 U	NA	34 U
2,4-Dinitrotoluene	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2,6-Dinitrotoluene	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2-Chloronaphthalene	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2-Chlorophenol	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2-Methylnaphthalene	MG/KG	0.17 J	0.38 J	0.38 U	NA	2.3 J
2-Methylphenol (o-cresol)	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
2-Nitroaniline	MG/KG	1.7 U	37 U	1.8 U	NA	34 U
2-Nitrophenol	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
3,3-Dichlorobenzidine	MG/KG	2.2 U	46 U	2.3 U	NA	43 U
3-Nitroaniline	MG/KG	1.7 U	37 U	1.8 U	NA	34 U
4,6-Dinitro-2-methylphenol	MG/KG	1.7 U	37 U	1.8 U	NA	34 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Made By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-35	GB-36	GB-36	GB-37	GB-37
Sample ID		GB-35 (3-5)	GB-36 (11-12)	GB-36 (18-19)	GB-37 (13-14)	GB-37 (14-16)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-5.0	11.0-12.0	18.0-19.0	13.0-14.0	14.0-16.0
Date Sampled		05/31/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units					
Semivolatile Organic Compounds						
4-Bromophenyl-phenylether	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
4-Chloro-3-methylphenol	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
4-Chloroaniline	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
4-Chlorophenyl-phenylether	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
4-Methylphenol (p-cresol)	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
4-Nitroaniline	MG/KG	1.7 U	37 U	1.8 U	NA	34 U
4-Nitrophenol	MG/KG	1.7 U	37 U	1.8 U	NA	34 U
Acenaphthene	MG/KG	0.10 J	0.97 J	0.38 U	NA	3.0 J
Acenaphthylene	MG/KG	0.26 J	7.6 U	0.38 U	NA	0.84 J
etophenone	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Anthracene	MG/KG	0.41	3.3 J	0.041 J	NA	10
Atrazine	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Benzaldehyde	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Benzo(a)anthracene	MG/KG	1.6	4.6 J	0.18 J	NA	11
Benzo(a)pyrene	MG/KG	1.5	3.4 J	0.12 J	NA	7.6
Benzo(b)fluoranthene	MG/KG	2.4	4.0 J	0.14 J	NA	9.6
Benzo(g,h,i)perylene	MG/KG	0.98	1.8 J	0.071 J	NA	4.7 J
Benzo(k)fluoranthene	MG/KG	2.6	1.3 J	0.040 J	NA	3.7 J
bis(2-Chloroethoxy)methane	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
bis(2-Chloroethyl)ether	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.36 U	7.6 U	0.048 J	NA	7.0 U
Butylbenzylphthalate	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Caprolactam	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

de By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-35	GB-36	GB-36	GB-37	GB-37
Sample ID		GB-35 (3-5)	GB-36 (11-12)	GB-36 (18-19)	GB-37 (13-14)	GB-37 (14-16)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-5.0	11.0-12.0	18.0-19.0	13.0-14.0	14.0-16.0
Date Sampled		05/31/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units					
Semivolatile Organic Compounds						
Carbazole	MG/KG	0.20 J	1.7 J	0.037 J	NA	3.9 J
Chrysene	MG/KG	1.6	4.2 J	0.16 J	NA	9.6
Dibenz(a,h)anthracene	MG/KG	0.30 J	0.77 J	0.027 J	NA	1.7 J
Dibenzofuran	MG/KG	0.15 J	1.2 J	0.38 U	NA	5.6 J
Diethylphthalate	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Dimethylphthalate	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Di-n-butylphthalate	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Di-n-octylphthalate	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Fluoranthene	MG/KG	3.6	11	0.33 J	NA	29
Fluorene	MG/KG	0.14 J	2.4 J	0.38 U	NA	10
Hexachlorobenzene	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Hexachlorobutadiene	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Hexachlorocyclopentadiene	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Hexachloroethane	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.92	2.0 J	0.069 J	NA	4.4 J
Isophorone	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Naphthalene	MG/KG	0.26 J	0.81 J	0.38 U	NA	3.1 J
Nitrobenzene	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
N-Nitroso-di-n-propylamine	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
N-Nitrosodiphenylamine	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U
Pentachlorophenol	MG/KG	1.7 U	37 U	1.8 U	NA	34 U
Phenanthrene	MG/KG	2.2	10	0.20 J	NA	38
Phenol	MG/KG	0.36 U	7.6 U	0.38 U	NA	7.0 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Made By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-35	GB-36	GB-36	GB-37	GB-37
Sample ID		GB-35 (3-5)	GB-36 (11-12)	GB-36 (18-19)	GB-37 (13-14)	GB-37 (14-16)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-5.0	11.0-12.0	18.0-19.0	13.0-14.0	14.0-16.0
Date Sampled		05/31/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units					
Semivolatile Organic Compounds						
Pyrene	MG/KG	2.5	6.9 J	0.25 J	NA	18
Total Carcinogenic PAHs	MG/KG	10.92	20.27	0.736	NA	47.6
Total Non-Carcinogenic PAHs	MG/KG	10.62	37.56	0.892	NA	118.94
Total Polycyclic Aromatic Hydrocarbons	MG/KG	21.54	57.83	1.628	NA	166.54
Total Semivolatile Organic Compounds	MG/KG	21.89	60.73	1.713	NA	176.04
Polychlorinated Biphenyls						
Aroclor 1016	MG/KG	0.018 U	0.019 U	0.020 U	NA	0.018 U
Aroclor 1221	MG/KG	0.018 U	0.019 U	0.020 U	NA	0.018 U
Aroclor 1232	MG/KG	0.018 U	0.019 U	0.020 U	NA	0.018 U
Aroclor 1242	MG/KG	0.018 U	0.019 U	0.020 U	NA	0.018 U
Aroclor 1248	MG/KG	0.018 U	0.019 U	0.020 U	NA	0.018 U
Aroclor 1254	MG/KG	0.018 U	0.019 U	0.020 U	NA	0.018 U
Aroclor 1260	MG/KG	0.018 U	0.019 U	0.020 U	NA	0.018 U
Total Polychlorinated Biphenyls	MG/KG	ND	ND	ND	NA	ND
Metals						
Aluminum	MG/KG	3,770	8,750 J	9,870 J	NA	7,250 J
Antimony	MG/KG	16.3 UJ	18.2 UJ	16.3 UJ	NA	17.2 UJ
Arsenic	MG/KG	6.2 J	3.4 J	2.4 J	NA	3.1 J
Barium	MG/KG	51.3 J	96.9 J	54.5 J	NA	79.0 J
Beryllium	MG/KG	0.26 J	0.42 J	0.36 J	NA	0.37 J
Cadmium	MG/KG	0.22 UJ	0.24 UJ	0.22 UJ	NA	0.23 UJ
Calcium	MG/KG	59,200	24,200	3,650	NA	15,100
Chromium	MG/KG	6.3 J	11.1 J	9.1 J	NA	9.0 J

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

de By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-35	GB-36	GB-36	GB-37	GB-37
Sample ID		GB-35 (3-5)	GB-36 (11-12)	GB-36 (18-19)	GB-37 (13-14)	GB-37 (14-16)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-5.0	11.0-12.0	18.0-19.0	13.0-14.0	14.0-16.0
Date Sampled		05/31/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units					
Metals						
Cobalt	MG/KG	3.3 J	7.3 J	10.1 J	NA	5.3 J
Copper	MG/KG	18.1 J	12.9 J	11.0 J	NA	17.7 J
Iron	MG/KG	8,810 J	13,500 J	11,600 J	NA	10,800 J
Lead	MG/KG	71.0	16.1 J	26.4 J	NA	85.9 J
Magnesium	MG/KG	10,000	5,430	2,500	NA	4,040
Manganese	MG/KG	280 J	325 J	478 J	NA	273 J
Mercury	MG/KG	0.100	0.065	0.082	NA	0.057
Nickel	MG/KG	10.3 J	14.4 J	22.5 J	NA	11.1 J
Potassium	MG/KG	688	1,230 J	570 J	NA	1,010 J
Selenium	MG/KG	0.54 UJ	4.9 UJ	4.4 UJ	NA	4.6 UJ
Silver	MG/KG	0.54 UJ	0.61 UJ	0.54 UJ	NA	0.57 UJ
Sodium	MG/KG	152 UJ	170 UJ	153 UJ	NA	166 J
Thallium	MG/KG	6.5 UJ	7.3 UJ	6.5 UJ	NA	6.9 UJ
Vanadium	MG/KG	6.9 J	16.3 J	15.4 J	NA	13.6 J
Zinc	MG/KG	46.1 J	46.0 J	31.3 J	NA	57.5 J
Miscellaneous Parameters						
Total Cyanide	MG/KG	3.4 J	1.1 UJ	1.2 UJ	NA	1.0 UJ
Phenolics, Total Recoverable	MG/KG	5.9 U	5.5 U	5.8 U	NA	5.0 U
Total Organic Carbon (TOC)	MG/KG	72,600	NA	NA	14,900	NA
Total Cyanide (Secondary Lab)	MG/KG	13.8	NA	NA	NA	NA
Free Cyanide	MG/KG	0.33	NA	NA	NA	NA
Ferric/Ferrous Iron Cyanide Complex	MG/KG	10.1	NA	NA	NA	NA
Unknown Iron Cyanide Complex	MG/KG	0.68	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-35	GB-36	GB-36	GB-37	GB-37
Sample ID		GB-35 (3-5)	GB-36 (11-12)	GB-36 (18-19)	GB-37 (13-14)	GB-37 (14-16)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		3.0-5.0	11.0-12.0	18.0-19.0	13.0-14.0	14.0-16.0
Date Sampled		05/31/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units					
Miscellaneous Parameters						
Natural Oxidant Demand (Low Dose)	G/KG	3.1 E	NA	NA	3.2 E	NA
Natural Oxidant Demand (Medium Dose)	G/KG	15.5 E	NA	NA	11.3	NA
Natural Oxidant Demand (High Dose)	G/KG	30.3	NA	NA	14.0	NA

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

de By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-37	GB-38	GB-38	GB-39	GB-39
Sample ID		GB-37 (18.5-19.5)	GB-38 (14-16)	GB-38 (22-23)	DUP-05	GB-39 (6-8)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		18.5-19.5	14.0-16.0	22.0-23.0	6.0-8.0	6.0-8.0
Date Sampled		05/27/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,1,2,2-Tetrachloroethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,1,2-Trichloroethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,1-Dichloroethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,1-Dichloroethene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,2,4-Trichlorobenzene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,2-Dibromo-3-chloropropane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
-Dichlorobenzene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,2-Dichloroethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,2-Dichloroethene (cis)	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,2-Dichloroethene (trans)	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,2-Dichloropropane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,3-Dichlorobenzene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,3-Dichloropropene (cis)	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,3-Dichloropropene (trans)	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
1,4-Dichlorobenzene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
2-Hexanone	MG/KG	0.029 U	0.032 U	0.028 U	0.028 U	0.14 U
4-Methyl-2-pentanone	MG/KG	0.029 U	0.032 U	0.028 U	0.028 U	0.14 U
Acetone	MG/KG	0.029 U	0.032 U	0.028 U	0.028 U	0.14 U
Benzene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Bromodichloromethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

e By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-37	GB-38	GB-38	GB-39	GB-39
Sample ID		GB-37 (18.5-19.5)	GB-38 (14-16)	GB-38 (22-23)	DUP-05	GB-39 (6-8)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		18.5-19.5	14.0-16.0	22.0-23.0	6.0-8.0	6.0-8.0
Date Sampled		05/27/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
Bromoform	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Bromomethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Carbon disulfide	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Carbon tetrachloride	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Chlorobenzene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Chloroethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Chloroform	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Chloromethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Cyclohexane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Bromochloromethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Dichlorodifluoromethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Ethylbenzene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Isopropylbenzene (Cumene)	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Methyl acetate	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.029 U	0.032 U	0.028 U	0.028 U	0.14 U
Methyl tert-butyl ether	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Methylcyclohexane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Methylene chloride	MG/KG	0.007 U	0.007 U	0.008 U	0.009 U	0.031 U
Styrene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Tetrachloroethene	MG/KG	0.001 J	0.001 J	0.006 U	0.006 U	0.028 U
Toluene	MG/KG	0.004 J	0.006 U	0.003 J	0.002 J	0.028 U
Trichloroethene	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U
Trichlorofluoromethane	MG/KG	0.006 U	0.006 U	0.006 U	0.006 U	0.028 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Code By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-37	GB-38	GB-38	GB-39	GB-39
Sample ID		GB-37 (18.5-19.5)	GB-38 (14-16)	GB-38 (22-23)	DUP-05	GB-39 (6-8)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		18.5-19.5	14.0-16.0	22.0-23.0	6.0-8.0	6.0-8.0
Date Sampled		05/27/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.055 U
Xylene (total)	MG/KG	0.017 U	0.019 U	0.017 U	0.017 U	0.083 U
Total BTEX	MG/KG	0.004	ND	0.003	0.002	ND
Total Volatile Organic Compounds	MG/KG	0.005	0.001	0.003	0.002	ND
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2,2-oxybis(1-Chloropropane)	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2,4,5-Trichlorophenol	MG/KG	19 U	10 U	0.90 U	18 U	18 U
2,4,6-Trichlorophenol	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2,4-Dichlorophenol	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2,4-Dimethylphenol	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2,4-Dinitrophenol	MG/KG	37 U	20 U	1.8 U	36 U	36 U
2,4-Dinitrotoluene	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2,6-Dinitrotoluene	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2-Chloronaphthalene	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2-Chlorophenol	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2-Methylnaphthalene	MG/KG	1.2 J	4.2 U	0.37 U	0.38 J	7.5 U
2-Methylphenol (o-cresol)	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
2-Nitroaniline	MG/KG	37 U	20 U	1.8 U	36 U	36 U
2-Nitrophenol	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
3,3-Dichlorobenzidine	MG/KG	47 U	25 U	2.2 U	45 U	45 U
3-Nitroaniline	MG/KG	37 U	20 U	1.8 U	36 U	36 U
4,6-Dinitro-2-methylphenol	MG/KG	37 U	20 U	1.8 U	36 U	36 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

de By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-37	GB-38	GB-38	GB-39	GB-39
Sample ID		GB-37 (18.5-19.5)	GB-38 (14-16)	GB-38 (22-23)	DUP-05	GB-39 (6-8)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		18.5-19.5	14.0-16.0	22.0-23.0	6.0-8.0	6.0-8.0
Date Sampled		05/27/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units				Field Duplicate (1-1)	
Semivolatile Organic Compounds						
4-Bromophenyl-phenylether	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
4-Chloro-3-methylphenol	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
4-Chloroaniline	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
4-Chlorophenyl-phenylether	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
4-Methylphenol (p-cresol)	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
4-Nitroaniline	MG/KG	37 U	20 U	1.8 U	36 U	36 U
4-Nitrophenol	MG/KG	37 U	20 U	1.8 U	36 U	36 U
Acenaphthene	MG/KG	1.9 J	4.2 U	0.37 U	1.8 J	7.5 U
Acenaphthylene	MG/KG	0.62 J	4.2 U	0.37 U	7.5 U	7.5 U
Acetophenone	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Anthracene	MG/KG	5.3 J	0.49 J	0.37 U	4.3 J	0.52 J
Atrazine	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Benzaldehyde	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Benzo(a)anthracene	MG/KG	11	2.5 J	0.37 U	4.9 J	1.0 J
Benzo(a)pyrene	MG/KG	8.9	3.0 J	0.37 U	3.6 J	0.82 J
Benzo(b)fluoranthene	MG/KG	11	3.8 J	0.37 U	4.7 J	1.2 J
Benzo(g,h,i)perylene	MG/KG	6.4 J	3.5 J	0.37 U	2.7 J	0.66 J
Benzo(k)fluoranthene	MG/KG	3.8 J	1.8 J	0.37 U	1.4 J	7.5 U
bis(2-Chloroethoxy)methane	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
bis(2-Chloroethyl)ether	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
bis(2-Ethylhexyl)phthalate	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Butylbenzylphthalate	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Caprolactam	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Code By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-37	GB-38	GB-38	GB-39	GB-39
Sample ID		GB-37 (18.5-19.5)	GB-38 (14-16)	GB-38 (22-23)	DUP-05	GB-39 (6-8)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		18.5-19.5	14.0-16.0	22.0-23.0	6.0-8.0	6.0-8.0
Date Sampled		05/27/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units				Field Duplicate (1-1)	
Semivolatile Organic Compounds						
Carbazole	MG/KG	2.2 J	4.2 U	0.37 U	1.4 J	7.5 U
Chrysene	MG/KG	9.5	2.5 J	0.37 U	4.3 J	0.88 J
Dibenz(a,h)anthracene	MG/KG	1.9 J	0.92 J	0.37 U	0.86 J	7.5 U
Dibenzofuran	MG/KG	2.4 J	0.28 J	0.37 U	1.3 J	7.5 U
Diethylphthalate	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Dimethylphthalate	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Di-n-butylphthalate	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Di-n-octylphthalate	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Fluoranthene	MG/KG	24	2.9 J	0.37 U	12	2.3 J
...orene	MG/KG	4.3 J	0.34 J	0.37 U	2.7 J	7.5 U
Hexachlorobenzene	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Hexachlorobutadiene	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Hexachlorocyclopentadiene	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Hexachloroethane	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Indeno(1,2,3-cd)pyrene	MG/KG	5.5 J	2.9 J	0.37 U	2.3 J	0.51 J
Isophorone	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Naphthalene	MG/KG	2.6 J	4.2 U	0.37 U	7.5 U	7.5 U
Nitrobenzene	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
N-Nitroso-di-n-propylamine	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
N-Nitrosodiphenylamine	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U
Pentachlorophenol	MG/KG	37 U	20 U	1.8 U	36 U	36 U
Phenanthrene	MG/KG	23	2.3 J	0.37 U	13	2.1 J
Phenol	MG/KG	7.7 U	4.2 U	0.37 U	7.5 U	7.5 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-37	GB-38	GB-38	GB-39	GB-39
Sample ID		GB-37 (18.5-19.5)	GB-38 (14-16)	GB-38 (22-23)	DUP-05	GB-39 (6-8)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		18.5-19.5	14.0-16.0	22.0-23.0	6.0-8.0	6.0-8.0
Date Sampled		05/27/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units				Field Duplicate (1-1)	
Semivolatile Organic Compounds						
Pyrene	MG/KG	17	2.8 J	0.37 U	7.7	1.5 J
Total Carcinogenic PAHs	MG/KG	51.6	17.42	ND	22.06	4.41
Total Non-Carcinogenic PAHs	MG/KG	86.32	12.33	ND	44.58	7.08
Total Polycyclic Aromatic Hydrocarbons	MG/KG	137.92	29.75	ND	66.64	11.49
Total Semivolatile Organic Compounds	MG/KG	142.52	30.03	ND	69.34	11.49
Polychlorinated Biphenyls						
Aroclor 1016	MG/KG	0.019 U	0.021 U	0.019 U	0.019 U	0.019 U
Aroclor 1221	MG/KG	0.019 U	0.021 U	0.019 U	0.019 U	0.019 U
Aroclor 1232	MG/KG	0.019 U	0.021 U	0.019 U	0.019 U	0.019 U
Aroclor 1242	MG/KG	0.019 U	0.021 U	0.019 U	0.019 U	0.019 U
Aroclor 1248	MG/KG	0.019 U	0.021 U	0.019 U	0.019 U	0.019 U
Aroclor 1254	MG/KG	0.019 U	0.021 U	0.019 U	0.019 U	0.019 U
Aroclor 1260	MG/KG	0.019 U	0.021 U	0.019 U	0.019 U	0.019 U
Total Polychlorinated Biphenyls	MG/KG	ND	ND	ND	ND	ND
Metals						
Aluminum	MG/KG	9,850 J	3,370 J	3,410 J	9,100 J	5,410 J
Antimony	MG/KG	18.6 UJ	19.5 UJ	16.5 UJ	18.8 UJ	16.3 UJ
Arsenic	MG/KG	3.4 J	4.5 J	2.2 UJ	3.4 J	2.6 J
Barium	MG/KG	104 J	30.8 J	40.0 J	99.3 J	57.8 J
Beryllium	MG/KG	0.51 J	0.26 UJ	0.22 UJ	0.44 J	0.27 J
Cadmium	MG/KG	0.25 UJ	0.26 UJ	0.22 UJ	0.25 UJ	0.22 UJ
Calcium	MG/KG	26,900	109,000	43,300	17,100	37,100
Chromium	MG/KG	12.4 J	3.4 J	4.0 J	10.8 J	7.0 J

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State Rt SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-37	GB-38	GB-38	GB-39	GB-39
Sample ID		GB-37 (18.5-19.5)	GB-38 (14-16)	GB-38 (22-23)	DUP-05	GB-39 (6-8)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		18.5-19.5	14.0-16.0	22.0-23.0	6.0-8.0	6.0-8.0
Date Sampled		05/27/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units				Field Duplicate (1-1)	
Metals						
Cobalt	MG/KG	6.9 J	1.9 J	3.0 J	6.4 J	4.5 J
Copper	MG/KG	25.2 J	7.5 J	7.0 J	17.6 J	19.4 J
Iron	MG/KG	14,100 J	4,880 J	5,650 J	12,800 J	8,860 J
Lead	MG/KG	165 J	35.1	3.1 J	66.1 J	48.6 J
Magnesium	MG/KG	6,720	9,930	5,400	5,530	11,700
Manganese	MG/KG	376 J	285 J	346 J	458 J	412 J
Mercury	MG/KG	0.059	0.437	0.017 U	0.092	0.142
Nickel	MG/KG	15.5 J	4.2 J	5.6 J	14.4 J	9.5 J
Potassium	MG/KG	1,380 J	534 J	580 J	1,020 J	731 J
lenium	MG/KG	5.0 UJ	5.2 UJ	4.4 UJ	5.0 UJ	4.3 UJ
Silver	MG/KG	0.62 UJ	0.65 UJ	0.55 UJ	0.63 UJ	0.54 UJ
Sodium	MG/KG	192 J	182 UJ	154 UJ	176 UJ	152 UJ
Thallium	MG/KG	7.4 UJ	7.8 UJ	6.6 UJ	7.5 UJ	6.5 UJ
Vanadium	MG/KG	16.8 J	5.7 J	6.6 J	16.1 J	10.1 J
Zinc	MG/KG	70.9 J	20.0 J	15.8 J	65.9 J	64.0 J
Miscellaneous Parameters						
Total Cyanide	MG/KG	1.1 UJ	118 J	1.2 UJ	1.7 J	1.7 J
Phenolics, Total Recoverable	MG/KG	6.0 U	6.7 U	5.3 U	5.4 U	5.6 U
Total Organic Carbon (TOC)	MG/KG	NA	NA	NA	NA	NA
Total Cyanide (Secondary Lab)	MG/KG	NA	13.2	NA	2.59	2.95
Free Cyanide	MG/KG	NA	0.13	NA	0.04 U	0.04 U
Ferric/Ferrous Iron Cyanide Complex	MG/KG	NA	9.65	NA	2.24	2.81
Unknown Iron Cyanide Complex	MG/KG	NA	2.06	NA	0 U	0.1

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-37	GB-38	GB-38	GB-39	GB-39
Sample ID		GB-37 (18.5-19.5)	GB-38 (14-16)	GB-38 (22-23)	DUP-05	GB-39 (6-8)
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		18.5-19.5	14.0-16.0	22.0-23.0	6.0-8.0	6.0-8.0
Date Sampled		05/27/05	05/27/05	05/27/05	05/27/05	05/27/05
Parameter	Units				Field Duplicate (1-1)	
Miscellaneous Parameters						
Natural Oxidant Demand (Low Dose)	G/KG	NA	NA	NA	NA	NA
Natural Oxidant Demand (Medium Dose)	G/KG	NA	NA	NA	NA	NA
Natural Oxidant Demand (High Dose)	G/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Made By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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Printed: 3/8/2006 2:08:38 PM
[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-39	GB-39
Sample ID		GB-39 (14-16)	GB-39 (21-22)
Matrix		Soil	Soil
Depth Interval (ft)		14.0-16.0	21.0-22.0
Date Sampled		05/27/05	05/27/05
Parameter	Units		
Volatile Organic Compounds			
1,1,1-Trichloroethane	MG/KG	NA	0.005 U
1,1,2,2-Tetrachloroethane	MG/KG	NA	0.005 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	NA	0.005 U
1,1,2-Trichloroethane	MG/KG	NA	0.005 U
1,1-Dichloroethane	MG/KG	NA	0.005 U
1,1-Dichloroethene	MG/KG	NA	0.005 U
1,2,4-Trichlorobenzene	MG/KG	NA	0.005 U
1,2-Dibromo-3-chloropropane	MG/KG	NA	0.005 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	NA	0.005 U
1,2-Dichlorobenzene	MG/KG	NA	0.005 U
1,2-Dichloroethane	MG/KG	NA	0.005 U
1,2-Dichloroethene (cis)	MG/KG	NA	0.005 U
1,2-Dichloroethene (trans)	MG/KG	NA	0.005 U
1,2-Dichloropropane	MG/KG	NA	0.005 U
1,3-Dichlorobenzene	MG/KG	NA	0.005 U
1,3-Dichloropropene (cis)	MG/KG	NA	0.005 U
1,3-Dichloropropene (trans)	MG/KG	NA	0.005 U
1,4-Dichlorobenzene	MG/KG	NA	0.005 U
2-Hexanone	MG/KG	NA	0.026 U
4-Methyl-2-pentanone	MG/KG	NA	0.026 U
Acetone	MG/KG	NA	0.026 U
Benzene	MG/KG	NA	0.005 U
Bromodichloromethane	MG/KG	NA	0.005 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Code By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-39	GB-39
Sample ID		GB-39 (14-16)	GB-39 (21-22)
Matrix		Soil	Soil
Depth Interval (ft)		14.0-16.0	21.0-22.0
Date Sampled		05/27/05	05/27/05
Parameter	Units		
Volatile Organic Compounds			
Bromoform	MG/KG	NA	0.005 U
Bromomethane	MG/KG	NA	0.005 U
Carbon disulfide	MG/KG	NA	0.005 U
Carbon tetrachloride	MG/KG	NA	0.005 U
Chlorobenzene	MG/KG	NA	0.005 U
Chloroethane	MG/KG	NA	0.005 U
Chloroform	MG/KG	NA	0.005 U
Chloromethane	MG/KG	NA	0.005 U
Cyclohexane	MG/KG	NA	0.005 U
Bromochloromethane	MG/KG	NA	0.005 U
Dichlorodifluoromethane	MG/KG	NA	0.005 U
Ethylbenzene	MG/KG	NA	0.005 U
Isopropylbenzene (Cumene)	MG/KG	NA	0.005 U
Methyl acetate	MG/KG	NA	0.005 U
Methyl ethyl ketone (2-Butanone)	MG/KG	NA	0.026 U
Methyl tert-butyl ether	MG/KG	NA	0.005 U
Methylcyclohexane	MG/KG	NA	0.005 U
Methylene chloride	MG/KG	NA	0.007 U
Styrene	MG/KG	NA	0.005 U
Tetrachloroethene	MG/KG	NA	0.002 J
Toluene	MG/KG	NA	0.003 J
Trichloroethene	MG/KG	NA	0.005 U
Trichlorofluoromethane	MG/KG	NA	0.005 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

Made By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-39	GB-39
Sample ID		GB-39 (14-16)	GB-39 (21-22)
Matrix		Soil	Soil
Depth Interval (ft)		14.0-16.0	21.0-22.0
Date Sampled		05/27/05	05/27/05
Parameter	**Units**		
Volatile Organic Compounds			
Vinyl chloride	MG/KG	NA	0.01 U
Xylene (total)	MG/KG	NA	0.016 U
Total BTEX	MG/KG	NA	0.003
Total Volatile Organic Compounds	MG/KG	NA	0.005
Semivolatile Organic Compounds			
1,1-Biphenyl	MG/KG	NA	0.34 U
2,2-oxybis(1-Chloropropane)	MG/KG	NA	0.34 U
2,4,5-Trichlorophenol	MG/KG	NA	0.84 U
2,4,6-Trichlorophenol	MG/KG	NA	0.34 U
[redacted]-Dichlorophenol	MG/KG	NA	0.34 U
2,4-Dimethylphenol	MG/KG	NA	0.34 U
2,4-Dinitrophenol	MG/KG	NA	1.7 U
2,4-Dinitrotoluene	MG/KG	NA	0.34 U
2,6-Dinitrotoluene	MG/KG	NA	0.34 U
2-Chloronaphthalene	MG/KG	NA	0.34 U
2-Chlorophenol	MG/KG	NA	0.34 U
2-Methylnaphthalene	MG/KG	NA	0.34 U
2-Methylphenol (o-cresol)	MG/KG	NA	0.34 U
2-Nitroaniline	MG/KG	NA	1.7 U
2-Nitrophenol	MG/KG	NA	0.34 U
3,3-Dichlorobenzidine	MG/KG	NA	2.1 U
3-Nitroaniline	MG/KG	NA	1.7 U
4,6-Dinitro-2-methylphenol	MG/KG	NA	1.7 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-39	GB-39
Sample ID		GB-39 (14-16)	GB-39 (21-22)
Matrix		Soil	Soil
Depth Interval (ft)		14.0-16.0	21.0-22.0
Date Sampled		05/27/05	05/27/05
Parameter	**Units**		
Semivolatile Organic Compounds			
4-Bromophenyl-phenylether	MG/KG	NA	0.34 U
4-Chloro-3-methylphenol	MG/KG	NA	0.34 U
4-Chloroaniline	MG/KG	NA	0.34 U
4-Chlorophenyl-phenylether	MG/KG	NA	0.34 U
4-Methylphenol (p-cresol)	MG/KG	NA	0.34 U
4-Nitroaniline	MG/KG	NA	1.7 U
4-Nitrophenol	MG/KG	NA	1.7 U
Acenaphthene	MG/KG	NA	0.34 U
Acenaphthylene	MG/KG	NA	0.34 U
Acetophenone	MG/KG	NA	0.34 U
Anthracene	MG/KG	NA	0.34 U
Atrazine	MG/KG	NA	0.34 U
Benzaldehyde	MG/KG	NA	0.34 U
Benzo(a)anthracene	MG/KG	NA	0.031 J
Benzo(a)pyrene	MG/KG	NA	0.023 J
Benzo(b)fluoranthene	MG/KG	NA	0.048 J
Benzo(g,h,i)perylene	MG/KG	NA	0.024 J
Benzo(k)fluoranthene	MG/KG	NA	0.052 J
bis(2-Chloroethoxy)methane	MG/KG	NA	0.34 U
bis(2-Chloroethyl)ether	MG/KG	NA	0.34 U
bis(2-Ethylhexyl)phthalate	MG/KG	NA	0.043 J
Butylbenzylphthalate	MG/KG	NA	0.34 U
Caprolactam	MG/KG	NA	0.34 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-39	GB-39
Sample ID		GB-39 (14-16)	GB-39 (21-22)
Matrix		Soil	Soil
Depth Interval (ft)		14.0-16.0	21.0-22.0
Date Sampled		05/27/05	05/27/05
Parameter	Units		
Semivolatile Organic Compounds			
Carbazole	MG/KG	NA	0.34 U
Chrysene	MG/KG	NA	0.027 J
Dibenz(a,h)anthracene	MG/KG	NA	0.34 U
Dibenzofuran	MG/KG	NA	0.34 U
Diethylphthalate	MG/KG	NA	0.34 U
Dimethylphthalate	MG/KG	NA	0.34 U
Di-n-butylphthalate	MG/KG	NA	0.34 U
Di-n-octylphthalate	MG/KG	NA	0.34 U
Fluoranthene	MG/KG	NA	0.059 J
uorene	MG/KG	NA	0.34 U
Hexachlorobenzene	MG/KG	NA	0.34 U
Hexachlorobutadiene	MG/KG	NA	0.34 U
Hexachlorocyclopentadiene	MG/KG	NA	0.34 U
Hexachloroethane	MG/KG	NA	0.34 U
Indeno(1,2,3-cd)pyrene	MG/KG	NA	0.020 J
Isophorone	MG/KG	NA	0.34 U
Naphthalene	MG/KG	NA	0.34 U
Nitrobenzene	MG/KG	NA	0.34 U
N-Nitroso-di-n-propylamine	MG/KG	NA	0.34 U
N-Nitrosodiphenylamine	MG/KG	NA	0.34 U
Pentachlorophenol	MG/KG	NA	1.7 U
Phenanthrene	MG/KG	NA	0.027 J
Phenol	MG/KG	NA	0.34 U

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-39	GB-39
Sample ID		GB-39 (14-16)	GB-39 (21-22)
Matrix		Soil	Soil
Depth Interval (ft)		14.0-16.0	21.0-22.0
Date Sampled		05/27/05	05/27/05
Parameter	**Units**		
Semivolatile Organic Compounds			
Pyrene	MG/KG	NA	0.045 J
Total Carcinogenic PAHs	MG/KG	NA	0.201
Total Non-Carcinogenic PAHs	MG/KG	NA	0.155
Total Polycyclic Aromatic Hydrocarbons	MG/KG	NA	0.356
Total Semivolatile Organic Compounds	MG/KG	NA	0.399
Polychlorinated Biphenyls			
Aroclor 1016	MG/KG	NA	0.017 U
Aroclor 1221	MG/KG	NA	0.017 U
Aroclor 1232	MG/KG	NA	0.017 U
Aroclor 1242	MG/KG	NA	0.017 U
Aroclor 1248	MG/KG	NA	0.017 U
Aroclor 1254	MG/KG	NA	0.017 U
Aroclor 1260	MG/KG	NA	0.017 U
Total Polychlorinated Biphenyls	MG/KG	NA	ND
Metals			
Aluminum	MG/KG	NA	3,090 J
Antimony	MG/KG	NA	16.8 UJ
Arsenic	MG/KG	NA	2.2 UJ
Barium	MG/KG	NA	41.3 J
Beryllium	MG/KG	NA	0.22 UJ
Cadmium	MG/KG	NA	0.22 UJ
Calcium	MG/KG	NA	73,300
Chromium	MG/KG	NA	3.5 J

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-39	GB-39
Sample ID		GB-39 (14-16)	GB-39 (21-22)
Matrix		Soil	Soil
Depth Interval (ft)		14.0-16.0	21.0-22.0
Date Sampled		05/27/05	05/27/05
Parameter	Units		
Metals			
Cobalt	MG/KG	NA	3.2 J
Copper	MG/KG	NA	16.3 J
Iron	MG/KG	NA	5,630 J
Lead	MG/KG	NA	2.3 J
Magnesium	MG/KG	NA	6,110
Manganese	MG/KG	NA	422 J
Mercury	MG/KG	NA	0.017
Nickel	MG/KG	NA	6.3 J
Potassium	MG/KG	NA	787 J
lenium	MG/KG	NA	4.5 UJ
Silver	MG/KG	NA	0.56 UJ
Sodium	MG/KG	NA	156 UJ
Thallium	MG/KG	NA	6.7 UJ
Vanadium	MG/KG	NA	5.2 J
Zinc	MG/KG	NA	19.0 J
Miscellaneous Parameters			
Total Cyanide	MG/KG	NA	1.2 J
Phenolics, Total Recoverable	MG/KG	NA	4.9 U
Total Organic Carbon (TOC)	MG/KG	17,800	NA
Total Cyanide (Secondary Lab)	MG/KG	NA	NA
Free Cyanide	MG/KG	NA	NA
Ferric/Ferrous Iron Cyanide Complex	MG/KG	NA	NA
Unknown Iron Cyanide Complex	MG/KG	NA	NA

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Detection Limits shown are PQL

TABLE G-2
VALIDATED SOIL BORING SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		GB-39	GB-39
Sample ID		GB-39 (14-16)	GB-39 (21-22)
Matrix		Soil	Soil
Depth Interval (ft)		14.0-16.0	21.0-22.0
Date Sampled		05/27/05	05/27/05
Parameter	Units		
Miscellaneous Parameters			
Natural Oxidant Demand (Low Dose)	G/KG	2.3	NA
Natural Oxidant Demand (Medium Dose)	G/KG	3.5	NA
Natural Oxidant Demand (High Dose)	G/KG	4.4	NA

Flags assigned during chemistry validation are shown.

E - The associated numerical value exceeded the range of calibration, and is an estimation (used for NOD only).

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Advanced Selection: State RI SBs
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'GB-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-01	SS-02	SS-02	SS-03	SS-04
Sample ID		SS-01	DUP-07	SS-02	SS-03	SS-04
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05	06/02/05	06/02/05	06/02/05
Parameter	Units		Field Duplicate (1-1)			
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2,2-oxybis(1-Chloropropane)	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2,4,5-Trichlorophenol	MG/KG	30 U	13 U	27 U	24 U	19 U
2,4,6-Trichlorophenol	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2,4-Dichlorophenol	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2,4-Dimethylphenol	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2,4-Dinitrophenol	MG/KG	59 U	26 U	55 U	49 U	38 U
2,4-Dinitrotoluene	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2,6-Dinitrotoluene	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2-Chloronaphthalene	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2-Chlorophenol	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2-Methylnaphthalene	MG/KG	12 U	5.3 U	11 U	10 U	0.45 J
2-Methylphenol (o-cresol)	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
2-Nitroaniline	MG/KG	59 U	26 U	55 U	49 U	38 U
2-Nitrophenol	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
3,3-Dichlorobenzidine	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
3-Nitroaniline	MG/KG	59 U	26 U	55 U	49 U	38 U
4,6-Dinitro-2-methylphenol	MG/KG	59 U	26 U	55 U	49 U	38 U
4-Bromophenyl-phenylether	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
4-Chloro-3-methylphenol	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
4-Chloroaniline	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
4-Chlorophenyl-phenylether	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
4-Methylphenol (p-cresol)	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-01	SS-02	SS-02	SS-03	SS-04
Sample ID		SS-01	DUP-07	SS-02	SS-03	SS-04
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05	06/02/05	06/02/05	06/02/05
Parameter	Units		Field Duplicate (1-1)			
Semivolatile Organic Compounds						
4-Nitroaniline	MG/KG	59 U	26 U	55 U	49 U	38 U
4-Nitrophenol	MG/KG	59 U	26 U	55 U	49 U	38 U
Acenaphthene	MG/KG	12 U	0.46 J	0.60 J	10 U	2.6 J
Acenaphthylene	MG/KG	12 U	5.3 U	11 U	10 U	0.76 J
Acetophenone	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Anthracene	MG/KG	1.6 J	0.85 J	1.6 J	10 U	5.3 J
Atrazine	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Benzaldehyde	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Benzo(a)anthracene	MG/KG	5.1 J	2.7 J	5.2 J	1.1 J	13
Benzo(a)pyrene	MG/KG	4.9 J	2.4 J	4.3 J	0.91 J	10
Benzo(b)fluoranthene	MG/KG	7.2 J	3.3 J	7.5 J	1.7 J	16
Benzo(g,h,i)perylene	MG/KG	2.2 J	0.99 J	1.9 J	10 U	3.7 J
Benzo(k)fluoranthene	MG/KG	1.9 J	1.2 J	7.9 J	1.7 J	4.8 J
bis(2-Chloroethoxy)methane	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
bis(2-Chloroethyl)ether	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
bis(2-Ethylhexyl)phthalate	MG/KG	12 U	5.3 U	11 U	10 U	0.88 J
Butylbenzylphthalate	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Caprolactam	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Carbazole	MG/KG	0.62 J	0.45 J	0.68 J	10 U	3.3 J
Chrysene	MG/KG	4.4 J	2.6 J	4.8 J	0.83 J	12
Dibenz(a,h)anthracene	MG/KG	0.84 J	0.32 J	11 U	10 U	1.2 J
Dibenzofuran	MG/KG	12 U	5.3 U	11 U	10 U	2.0 J
Diethylphthalate	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-01	SS-02	SS-02	SS-03	SS-04
Sample ID		SS-01	DUP-07	SS-02	SS-03	SS-04
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05	06/02/05	06/02/05	06/02/05
Parameter	Units		Field Duplicate (1-1)			
Semivolatile Organic Compounds						
Dimethylphthalate	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Di-n-butylphthalate	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Di-n-octylphthalate	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Fluoranthene	MG/KG	10 J	6.1	12	1.9 J	32
Fluorene	MG/KG	12 U	5.3 U	11 U	10 U	2.9 J
Hexachlorobenzene	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Hexachlorobutadiene	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Hexachlorocyclopentadiene	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Hexachloroethane	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
deno(1,2,3-cd)pyrene	MG/KG	2.4 J	0.98 J	1.7 J	10 U	3.7 J
Isophorone	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Naphthalene	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Nitrobenzene	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
N-Nitroso-di-n-propylamine	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
N-Nitrosodiphenylamine	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Pentachlorophenol	MG/KG	59 U	4.8 J	2.7 J	49 U	38 U
Phenanthrene	MG/KG	5.1 J	3.6 J	6.1 J	0.81 J	22
Phenol	MG/KG	12 U	5.3 U	11 U	10 U	7.9 U
Pyrene	MG/KG	6.8 J	4.4 J	9.2 J	1.4 J	21
Total Carcinogenic PAHs	MG/KG	26.74	13.5	31.4	6.24	60.7
Total Non-Carcinogenic PAHs	MG/KG	25.7	16.4	31.4	4.11	90.71
Total Polycyclic Aromatic Hydrocarbons	MG/KG	52.44	29.9	62.8	10.35	151.41
Total Semivolatile Organic Compounds	MG/KG	53.06	35.15	66.18	10.35	157.59

Flags assigned during chemistry validation are shown.

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ecked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SS
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'SS-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-01	SS-02	SS-02	SS-03	SS-04
Sample ID		SS-01	DUP-07	SS-02	SS-03	SS-04
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05	06/02/05	06/02/05	06/02/05
Parameter	Units		Field Duplicate (1-1)			
Polychlorinated Biphenyls						
Aroclor 1016	MG/KG	0.030 U	1.3 U	0.58 U	0.025 U	0.020 U
Aroclor 1221	MG/KG	0.030 U	1.3 U	0.58 U	0.025 U	0.020 U
Aroclor 1232	MG/KG	0.030 U	1.3 U	0.58 U	0.025 U	0.020 U
Aroclor 1242	MG/KG	0.030 U	1.3 U	0.58 U	0.025 U	0.020 U
Aroclor 1248	MG/KG	0.030 U	1.3 U	0.58 U	0.025 U	0.020 U
Aroclor 1254	MG/KG	0.030 U	1.3 U	0.58 U	0.023 J	0.055
Aroclor 1260	MG/KG	0.030 U	1.3 U	0.58 U	0.025 U	0.020 U
Total Polychlorinated Biphenyls	MG/KG	ND	ND	ND	0.023	0.055
Metals						
Aluminum	MG/KG	6,650 J	4,920 J	4,550 J	3,470 J	3,000 J
Antimony	MG/KG	27.2 UJ	24.7 UJ	25.6 UJ	23.6 UJ	18.1 UJ
Arsenic	MG/KG	5.1 J	4.2 J	4.0 J	4.0 J	2.4 UJ
Barium	MG/KG	68.4 J	59.5 J	52.6 J	31.6 J	34.9 J
Beryllium	MG/KG	0.44 J	0.33 UJ	0.34 UJ	0.32 UJ	0.24 UJ
Cadmium	MG/KG	0.36 UJ	0.33 UJ	1.0 J	0.32 UJ	0.24 UJ
Calcium	MG/KG	133,000	63,400	62,700	110,000	14,600
Chromium	MG/KG	9.7 J	16.8 J	16.5 J	6.6 J	6.6 J
Cobalt	MG/KG	8.5 J	5.9 J	6.4 J	3.7 J	3.2 J
Copper	MG/KG	23.7 J	32.5 J	28.5 J	20.0 J	12.8 J
Iron	MG/KG	14,000 J	12,100 J	11,700 J	10,900 J	5,410 J
Lead	MG/KG	100 J	170 J	152 J	62.7 J	95.3 J
Magnesium	MG/KG	41,600 J	29,800 J	29,600 J	42,800 J	3,280 J
Manganese	MG/KG	862 J	682 J	644 J	773 J	278 J

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-01	SS-02	SS-02	SS-03	SS-04
Sample ID		SS-01	DUP-07	SS-02	SS-03	SS-04
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05	06/02/05	06/02/05	06/02/05
Parameter	Units		Field Duplicate (1-1)			
Metals						
Mercury	MG/KG	0.220	0.685	0.460	0.068	0.382
Nickel	MG/KG	17.6 J	43.0 J	42.8 J	20.7 J	16.2 J
Potassium	MG/KG	1,410 J	927 J	887 J	1,020 J	523 J
Selenium	MG/KG	7.3 UJ	6.6 UJ	6.8 UJ	6.3 UJ	4.8 UJ
Silver	MG/KG	0.91 UJ	0.82 UJ	0.85 UJ	0.79 UJ	0.60 UJ
Sodium	MG/KG	254 UJ	231 UJ	239 UJ	221 UJ	169 UJ
Thallium	MG/KG	10.9 UJ	9.9 UJ	10.3 UJ	9.5 UJ	7.2 UJ
Vanadium	MG/KG	16.2 J	11.8 J	10.6 J	7.9 J	6.4 J
Zinc	MG/KG	112 J	174 J	325 J	84.2 J	100 J
Miscellaneous Parameters						
Total Cyanide	MG/KG	1.0 U	1.1 U	1.1 U	1.0 U	1.2 U
Phenolics, Total Recoverable	MG/KG	8.1 U	7.3 U	8.7 U	7.6 U	5.9 U
Total Cyanide (Secondary Lab)	MG/KG	NA	NA	NA	NA	NA
Free Cyanide	MG/KG	NA	NA	NA	NA	NA
Ferric/Ferrous Iron Cyanide Complex	MG/KG	NA	NA	NA	NA	NA
Unknown Iron Cyanide Complex	MG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SS
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TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-05	SS-06
Sample ID		SS-05	SS-06
Matrix		Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05
Parameter	Units		
Semivolatile Organic Compounds			
1,1-Biphenyl	MG/KG	3.6 U	3.7 U
2,2-oxybis(1-Chloropropane)	MG/KG	3.6 U	3.7 U
2,4,5-Trichlorophenol	MG/KG	8.8 U	9.0 U
2,4,6-Trichlorophenol	MG/KG	3.6 U	3.7 U
2,4-Dichlorophenol	MG/KG	3.6 U	3.7 U
2,4-Dimethylphenol	MG/KG	3.6 U	3.7 U
2,4-Dinitrophenol	MG/KG	18 U	18 U
2,4-Dinitrotoluene	MG/KG	3.6 U	3.7 U
2,6-Dinitrotoluene	MG/KG	3.6 U	3.7 U
2-Chloronaphthalene	MG/KG	3.6 U	3.7 U
2-Chlorophenol	MG/KG	3.6 U	3.7 U
2-Methylnaphthalene	MG/KG	3.6 U	0.29 J
2-Methylphenol (o-cresol)	MG/KG	3.6 U	3.7 U
2-Nitroaniline	MG/KG	18 U	18 U
2-Nitrophenol	MG/KG	3.6 U	3.7 U
3,3-Dichlorobenzidine	MG/KG	3.6 U	3.7 U
3-Nitroaniline	MG/KG	18 U	18 U
4,6-Dinitro-2-methylphenol	MG/KG	18 U	18 U
4-Bromophenyl-phenylether	MG/KG	3.6 U	3.7 U
4-Chloro-3-methylphenol	MG/KG	3.6 U	3.7 U
4-Chloroaniline	MG/KG	3.6 U	3.7 U
4-Chlorophenyl-phenylether	MG/KG	3.6 U	3.7 U
4-Methylphenol (p-cresol)	MG/KG	3.6 U	3.7 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-05	SS-06
Sample ID		SS-05	SS-06
Matrix		Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05
Parameter	Units		
Semivolatile Organic Compounds			
4-Nitroaniline	MG/KG	18 U	18 U
4-Nitrophenol	MG/KG	18 U	18 U
Acenaphthene	MG/KG	3.6 U	0.65 J
Acenaphthylene	MG/KG	3.6 U	0.83 J
Acetophenone	MG/KG	3.6 U	3.7 U
Anthracene	MG/KG	0.56 J	1.8 J
Atrazine	MG/KG	3.6 U	3.7 U
Benzaldehyde	MG/KG	3.6 U	3.7 U
Benzo(a)anthracene	MG/KG	2.0 J	6.9
Benzo(a)pyrene	MG/KG	1.9 J	7.4
Benzo(b)fluoranthene	MG/KG	3.0 J	13
Benzo(g,h,i)perylene	MG/KG	0.71 J	3.2 J
Benzo(k)fluoranthene	MG/KG	0.80 J	14
bis(2-Chloroethoxy)methane	MG/KG	3.6 U	3.7 U
bis(2-Chloroethyl)ether	MG/KG	3.6 U	3.7 U
bis(2-Ethylhexyl)phthalate	MG/KG	3.6 U	3.7 U
Butylbenzylphthalate	MG/KG	3.6 U	3.7 U
Caprolactam	MG/KG	3.6 U	3.7 U
Carbazole	MG/KG	3.6 U	0.72 J
Chrysene	MG/KG	1.9 J	6.8
Dibenz(a,h)anthracene	MG/KG	0.26 J	0.96 J
Dibenzofuran	MG/KG	3.6 U	0.41 J
Diethylphthalate	MG/KG	3.6 U	3.7 U

Flags assigned during chemistry validation are shown.

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Advanced Selection: State RI SS
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TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-05	SS-06
Sample ID		SS-05	SS-06
Matrix		Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05
Parameter	Units		
Semivolatile Organic Compounds			
Dimethylphthalate	MG/KG	3.6 U	3.7 U
Di-n-butylphthalate	MG/KG	3.6 U	3.7 U
Di-n-octylphthalate	MG/KG	3.6 U	3.7 U
Fluoranthene	MG/KG	4.3	14
Fluorene	MG/KG	3.6 U	0.68 J
Hexachlorobenzene	MG/KG	3.6 U	3.7 U
Hexachlorobutadiene	MG/KG	3.6 U	3.7 U
Hexachlorocyclopentadiene	MG/KG	3.6 U	3.7 U
Hexachloroethane	MG/KG	3.6 U	3.7 U
deno(1,2,3-cd)pyrene	MG/KG	0.73 J	2.9 J
Isophorone	MG/KG	3.6 U	3.7 U
Naphthalene	MG/KG	3.6 U	0.62 J
Nitrobenzene	MG/KG	3.6 U	3.7 U
N-Nitroso-di-n-propylamine	MG/KG	3.6 U	3.7 U
N-Nitrosodiphenylamine	MG/KG	3.6 U	3.7 U
Pentachlorophenol	MG/KG	18 U	18 U
Phenanthrene	MG/KG	2.1 J	7.0
Phenol	MG/KG	3.6 U	3.7 U
Pyrene	MG/KG	2.8 J	9.7
Total Carcinogenic PAHs	MG/KG	10.59	51.96
Total Non-Carcinogenic PAHs	MG/KG	10.47	38.77
Total Polycyclic Aromatic Hydrocarbons	MG/KG	21.06	90.73
Total Semivolatile Organic Compounds	MG/KG	21.06	91.86

Flags assigned during chemistry validation are shown.

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ecked By _AMK 3/8/06_

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Advanced Selection: State RI SS
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'SS-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-05	SS-06
Sample ID		SS-05	SS-06
Matrix		Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05
Parameter	**Units**		
Polychlorinated Biphenyls			
Aroclor 1016	MG/KG	0.018 U	0.019 U
Aroclor 1221	MG/KG	0.018 U	0.019 U
Aroclor 1232	MG/KG	0.018 U	0.019 U
Aroclor 1242	MG/KG	0.018 U	0.019 U
Aroclor 1248	MG/KG	0.018 U	0.019 U
Aroclor 1254	MG/KG	0.055	0.019 U
Aroclor 1260	MG/KG	0.018 U	0.019 U
Total Polychlorinated Biphenyls	MG/KG	0.055	ND
Metals			
Aluminum	MG/KG	6,550 J	3,840 J
Antimony	MG/KG	17.4 UJ	16.9 UJ
Arsenic	MG/KG	4.9 J	6.9 J
Barium	MG/KG	51.1 J	58.9 J
Beryllium	MG/KG	0.34 J	0.34 J
Cadmium	MG/KG	0.23 UJ	0.23 UJ
Calcium	MG/KG	20,000	22,200
Chromium	MG/KG	12.2 J	11.1 J
Cobalt	MG/KG	6.3 J	5.4 J
Copper	MG/KG	19.9 J	55.0 J
Iron	MG/KG	12,100 J	9,150 J
Lead	MG/KG	45.5 J	140 J
Magnesium	MG/KG	7,500 J	7,780 J
Manganese	MG/KG	507 J	339 J

Flags assigned during chemistry validation are shown.

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Advanced Selection: State RI SS
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TABLE G-3
VALIDATED SURFACE SOIL SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		SS-05	SS-06
Sample ID		SS-05	SS-06
Matrix		Soil	Soil
Depth Interval (ft)		0.0-0.5	0.0-0.5
Date Sampled		06/02/05	06/02/05
Parameter	**Units**		
Metals			
Mercury	MG/KG	0.102	0.424
Nickel	MG/KG	27.3 J	28.8 J
Potassium	MG/KG	975 J	619 J
Selenium	MG/KG	4.6 UJ	4.5 UJ
Silver	MG/KG	0.58 UJ	0.56 UJ
Sodium	MG/KG	162 UJ	158 UJ
Thallium	MG/KG	7.0 UJ	6.8 UJ
Vanadium	MG/KG	13.0 J	9.9 J
Zinc	MG/KG	62.6 J	95.4 J
Miscellaneous Parameters			
Total Cyanide	MG/KG	1.6	2.2
Phenolics, Total Recoverable	MG/KG	5.5 U	5.2 U
Total Cyanide (Secondary Lab)	MG/KG	0.17	2.93
Free Cyanide	MG/KG	0.1	0.08
Ferric/Ferrous Iron Cyanide Complex	MG/KG	0.03	1.58
Unknown Iron Cyanide Complex	MG/KG	0 U	0 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_
Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI SS
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'SO' AND [LOCID] LIKE 'SS-*' AND [LOGDATE] >= #2/17/2005#

TABLE G-4
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		BMW-04-04	BMW-04-05	BMW-04-05	BMW-04-06	BMW-04-07
Sample ID		BMW0404-GW	BMW0405-GW	FD062005GW	BMW4-06-GW	BMW4-07-GW
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		13.5-30.0	35.0-55.0	35.0-55.0	30.0-55.0	31.0-86.0
Date Sampled		06/20/05	06/20/05	06/20/05	06/21/05	06/21/05
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.8	1.6	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI GW
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TABLE G-4
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		BMW-04-04	BMW-04-05	BMW-04-05	BMW-04-06	BMW-04-07
Sample ID		BMW0404-GW	BMW0405-GW	FD062005GW	BMW4-06-GW	BMW4-07-GW
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		13.5-30.0	35.0-55.0	35.0-55.0	30.0-55.0	31.0-86.0
Date Sampled		06/20/05	06/20/05	06/20/05	06/21/05	06/21/05
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
Bromoform	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	1.0 U	1.5	1.4	1.0 U	1.0 U
Methylcyclohexane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

TABLE G-4
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		BMW-04-04	BMW-04-05	BMW-04-05	BMW-04-06	BMW-04-07
Sample ID		BMW0404-GW	BMW0405-GW	FD062005GW	BMW4-06-GW	BMW4-07-GW
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		13.5-30.0	35.0-55.0	35.0-55.0	30.0-55.0	31.0-86.0
Date Sampled		06/20/05	06/20/05	06/20/05	06/21/05	06/21/05
Parameter	Units			Field Duplicate (1-1)		
Volatile Organic Compounds						
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Total BTEX	UG/L	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	UG/L	ND	3.3	3	ND	ND
Semivolatile Organic Compounds						
1,1-Biphenyl	UG/L	10 U	10 U	10 U	10 U	10 U
2,2-oxybis(1-Chloropropane)	UG/L	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	UG/L	48 U	48 U	48 U	48 U	48 U
2,4-Dinitrotoluene	UG/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	UG/L	48 U	48 U	48 U	48 U	48 U
2-Nitrophenol	UG/L	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	UG/L	19 U	19 U	19 U	19 U	19 U
3-Nitroaniline	UG/L	48 U	48 U	48 U	48 U	48 U
4,6-Dinitro-2-methylphenol	UG/L	48 U	48 U	48 U	48 U	48 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

Checked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-4
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		BMW-04-04	BMW-04-05	BMW-04-05	BMW-04-06	BMW-04-07
Sample ID		BMW0404-GW	BMW0405-GW	FD062005GW	BMW4-06-GW	BMW4-07-GW
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		13.5-30.0	35.0-55.0	35.0-55.0	30.0-55.0	31.0-86.0
Date Sampled		06/20/05	06/20/05	06/20/05	06/21/05	06/21/05
Parameter	Units			Field Duplicate (1-1)		
Semivolatile Organic Compounds						
4-Bromophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	48 U	48 U	48 U	48 U	48 U
4-Nitrophenol	UG/L	48 U	48 U	48 U	48 U	48 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
etophenone	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Atrazine	UG/L	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	UG/L	48 U	48 U	48 U	48 U	48 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Caprolactam	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

cked By _AMK 3/8/06_

Detection Limits shown are PQL

TABLE G-4
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		BMW-04-04	BMW-04-05	BMW-04-05	BMW-04-06	BMW-04-07
Sample ID		BMW0404-GW	BMW0405-GW	FD062005GW	BMW4-06-GW	BMW4-07-GW
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		13.5-30.0	35.0-55.0	35.0-55.0	30.0-55.0	31.0-86.0
Date Sampled		06/20/05	06/20/05	06/20/05	06/21/05	06/21/05
Parameter	Units			Field Duplicate (1-1)		
Semivolatile Organic Compounds						
Carbazole	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
[illegible]orene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	43 U	43 U	43 U	43 U	43 U
Hexachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Isophorone	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	UG/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	48 U	48 U	48 U	48 U	48 U
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenol	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

[illegible]cked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI GW
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'WG' AND [LOGDATE] >= #2/17/2005# AND ([LOCID] >= 'BMW-04-04' AND [LOCID] <= 'BMW-04-07')

TABLE G-4
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		BMW-04-04	BMW-04-05	BMW-04-05	BMW-04-06	BMW-04-07
Sample ID		BMW0404-GW	BMW0405-GW	FD062005GW	BMW4-06-GW	BMW4-07-GW
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		13.5-30.0	35.0-55.0	35.0-55.0	30.0-55.0	31.0-86.0
Date Sampled		06/20/05	06/20/05	06/20/05	06/21/05	06/21/05
Parameter	Units			Field Duplicate (1-1)		
Semivolatile Organic Compounds						
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Total Carcinogenic PAHs	UG/L	ND	ND	ND	ND	ND
Total Non-Carcinogenic PAHs	UG/L	ND	ND	ND	ND	ND
Total Polycyclic Aromatic Hydrocarbons	UG/L	ND	ND	ND	ND	ND
Total Semivolatile Organic Compounds	UG/L	ND	ND	ND	ND	ND
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	0.48 U	0.50 U	0.48 U	0.50 U	0.49 U
Aroclor 1221	UG/L	0.48 U	0.50 U	0.48 U	0.50 U	0.49 U
Aroclor 1232	UG/L	0.48 U	0.50 U	0.48 U	0.50 U	0.49 U
Aroclor 1242	UG/L	0.48 U	0.50 U	0.48 U	0.50 U	0.49 U
Aroclor 1248	UG/L	0.48 U	0.50 U	0.48 U	0.50 U	0.49 U
Aroclor 1254	UG/L	0.48 U	0.50 U	0.48 U	0.50 U	0.49 U
Aroclor 1260	UG/L	0.48 U	0.50 U	0.48 U	0.50 U	0.49 U
Total Polychlorinated Biphenyls	UG/L	ND	ND	ND	ND	ND
Metals						
Aluminum	UG/L	200 U	200 U	200 U	200 U	200 U
Antimony	UG/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Arsenic	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Barium	UG/L	40.1	2.0 U	2.0 U	23.3	34.8
Beryllium	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Calcium	UG/L	124,000	86,300	88,600	135,000	144,000
Chromium	UG/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI GW
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'WG' AND [LOGDATE] >= #2/17/2005# AND ([LOCID] >= 'BMW-04-04' AND [LOCID] <= 'BMW-04-07')

TABLE G-4
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		BMW-04-04	BMW-04-05	BMW-04-05	BMW-04-06	BMW-04-07
Sample ID		BMW0404-GW	BMW0405-GW	FD062005GW	BMW4-06-GW	BMW4-07-GW
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		13.5-30.0	35.0-55.0	35.0-55.0	30.0-55.0	31.0-86.0
Date Sampled		06/20/05	06/20/05	06/20/05	06/21/05	06/21/05
Parameter	Units			Field Duplicate (1-1)		
Metals						
Cobalt	UG/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Copper	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Iron	UG/L	877	3,640	4,240	1,300	1,400
Lead	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Magnesium	UG/L	31,700	37,300	38,300	54,100	53,800
Manganese	UG/L	17.4	55.5	60.5	31.5	42.1
Mercury	UG/L	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Nickel	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	UG/L	4,920	16,500	16,800	4,000	3,750
Selenium	UG/L	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
Silver	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Sodium	UG/L	104,000	267,000	273,000	68,500	69,400
Thallium	UG/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Vanadium	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Zinc	UG/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Filtered Metals						
Iron	UG/L	58.6	1,450	1,820	NA	NA
Miscellaneous Parameters						
Alkalinity, Total (as CaCO3)	MG/L	258	352	349	NA	NA
Chloride	MG/L	242	444	396	NA	NA
Total Cyanide	UG/L	99.7 J	50.2 J	56.1 J	10 U	10.2
Nitrate-Nitrogen	MG/L	0.97	0.050 U	0.050 U	NA	NA
Nitrite-Nitrogen	MG/L	0.050 U	0.050 U	0.050 U	NA	NA

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI GW
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'WG' AND [LOGDATE] >= #2/17/2005# AND ([LOCID] >= 'BMW-04-04' AND [LOCID] <= 'BMW-04-07')

TABLE G-4
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		BMW-04-04	BMW-04-05	BMW-04-05	BMW-04-06	BMW-04-07
Sample ID		BMW0404-GW	BMW0405-GW	FD062005GW	BMW4-06-GW	BMW4-07-GW
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		13.5-30.0	35.0-55.0	35.0-55.0	30.0-55.0	31.0-86.0
Date Sampled		06/20/05	06/20/05	06/20/05	06/21/05	06/21/05
Parameter	Units			Field Duplicate (1-1)		
Miscellaneous Parameters						
Phenolics, Total Recoverable	MG/L	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ
Sulfate (as SO4)	MG/L	187	302	268	NA	NA
Sulfide	MG/L	0.10 U	0.31	0.39	NA	NA
Total Dissolved Solids	MG/L	830	1,230	1,220	NA	NA

Flags assigned during chemistry validation are shown.

Made By_JJL 3/8/06_

Checked By _AMK 3/8/06_

Detection Limits shown are PQL

Advanced Selection: State RI GW
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[SITEID] = '02' AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [MATRIX] = 'WG' AND [LOGDATE] >= #2/17/2005# AND ([LOCID] >= 'BMW-04-04' AND [LOCID] <= 'BMW-04-07')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-01	RB-02	RB-03	RB-05	EB-6-13-05
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/25/05	05/26/05	05/31/05	06/02/05	06/13/05
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Equipment Blank (1-1)
VOCs						
1,1,1-Trichloroethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,2-Dichlorobenzene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,2-Dichloroethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,2-Dichloropropane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
2-Hexanone	UG/L	5.0 U	25 U	25 U	NA	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U	25 U	25 U	NA	5.0 U
Acetone	UG/L	2.6 J	25 U	25 U	NA	5.0 U
Benzene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Bromodichloromethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_
Checked By _AMK 3/3/06_

Detection Limits shown are PQL

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-01	RB-02	RB-03	RB-05	EB-6-13-05
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/25/05	05/26/05	05/31/05	06/02/05	06/13/05
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Equipment Blank (1-1)
VOCs						
Bromoform	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Bromomethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Carbon disulfide	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Carbon tetrachloride	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Chlorobenzene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Chloroethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Chloroform	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Chloromethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Cyclohexane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Bromochloromethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Ethylbenzene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Methyl acetate	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	25 U	25 U	NA	5.0 U
Methyl tert-butyl ether	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Methylcyclohexane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Methylene chloride	UG/L	1.0 U	3.2 J	2.9 J	NA	1.0 U
Styrene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Tetrachloroethene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Toluene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Trichloroethene	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Trichlorofluoromethane	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_
Checked By _AMK 3/3/06_

Detection Limits shown are PQL

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-01	RB-02	RB-03	RB-05	EB-6-13-05
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/25/05	05/26/05	05/31/05	06/02/05	06/13/05
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Equipment Blank (1-1)
VOCs						
Vinyl chloride	UG/L	1.0 U	5.0 U	5.0 U	NA	1.0 U
Xylene (total)	UG/L	3.0 U	15 U	15 U	NA	3.0 U
Total BTEX	UG/L	ND	ND	ND	NA	ND
Total VOCs	UG/L	2.6	3.2	2.9	NA	ND
SVOCs						
1,1-Biphenyl	UG/L	10 U	10 U	10 U	10 U	10 U
2,2-oxybis(1-Chloropropane)	UG/L	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	UG/L	49 U	50 U	48 U	50 U	49 U
2,4-Dinitrotoluene	UG/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	UG/L	49 U	50 U	48 U	50 U	49 U
2-Nitrophenol	UG/L	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	UG/L	20 U	20 U	19 U	20 U	20 U
3-Nitroaniline	UG/L	49 U	50 U	48 U	50 U	49 U
4,6-Dinitro-2-methylphenol	UG/L	49 U	50 U	48 U	50 U	49 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_

Checked By _AMK 3/3/06_

Detection Limits shown are PQL

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-01	RB-02	RB-03	RB-05	EB-6-13-05
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/25/05	05/26/05	05/31/05	06/02/05	06/13/05
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Equipment Blank (1-1)
SVOCs						
4-Bromophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	49 U	50 U	48 U	50 U	49 U
4-Nitrophenol	UG/L	49 U	50 U	48 U	50 U	49 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Acetophenone	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Atrazine	UG/L	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	UG/L	49 U	50 U	48 U	50 U	49 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Caprolactam	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_
Checked By _AMK 3/3/06_

Detection Limits shown are PQL

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-01	RB-02	RB-03	RB-05	EB-6-13-05
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/25/05	05/26/05	05/31/05	06/02/05	06/13/05
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Equipment Blank (1-1)
SVOCs						
Carbazole	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
uorene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	44 U	45 U	43 U	45 U	44 U
Hexachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Isophorone	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	UG/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	49 U	50 U	48 U	50 U	49 U
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenol	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_

ecked By _AMK 3/3/06_

Detection Limits shown are PQL

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-01	RB-02	RB-03	RB-05	EB-6-13-05
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/25/05	05/26/05	05/31/05	06/02/05	06/13/05
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Equipment Blank (1-1)
SVOCs						
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Total PAHs	UG/L	ND	ND	ND	ND	ND
Total SVOCs	UG/L	ND	ND	ND	ND	ND
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
Aroclor 1221	UG/L	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
Aroclor 1232	UG/L	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
Aroclor 1242	UG/L	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
Aroclor 1248	UG/L	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
Aroclor 1254	UG/L	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
Aroclor 1260	UG/L	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
Total Polychlorinated Biphenyls	UG/L	ND	ND	ND	ND	ND
Metals						
Aluminum	UG/L	200 U	200 U	200 U	200 U	200 U
Antimony	UG/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Arsenic	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Barium	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	114
Beryllium	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Calcium	UG/L	500 U	500 U	500 U	500 U	29,500
Chromium	UG/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Cobalt	UG/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Copper	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

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[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-01	RB-02	RB-03	RB-05	EB-6-13-05
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/25/05	05/26/05	05/31/05	06/02/05	06/13/05
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Equipment Blank (1-1)
Metals						
Iron	UG/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Lead	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Magnesium	UG/L	200 U	200 U	200 U	200 U	7,800
Manganese	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Mercury	UG/L	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Nickel	UG/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	UG/L	500 U	500 U	500 U	500 U	1,520
Selenium	UG/L	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
Silver	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
dium	UG/L	1,000 U	1,000 U	1,000 U	1,000 U	11,500
Thallium	UG/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Vanadium	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Zinc	UG/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Filtered Metals						
Iron	UG/L	NA	NA	NA	NA	50.0 U
Miscellaneous Parameters						
Alkalinity, Total (as CaCO3)	MG/L	NA	NA	NA	NA	91.6
Chloride	MG/L	NA	NA	NA	NA	22.7
Total Cyanide	UG/L	10 U	10 U	10 U	10 U	12.0
Nitrate-Nitrogen	MG/L	NA	NA	NA	NA	0.050 U
Nitrite-Nitrogen	MG/L	NA	NA	NA	NA	0.050 U
Phenolics, Total Recoverable	MG/L	0.010 U	0.010 U	0.010 U	0.013	0.010 U
Sulfate (as SO4)	MG/L	NA	NA	NA	NA	28.9

Flags assigned during chemistry validation are shown.

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[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-01	RB-02	RB-03	RB-05	EB-6-13-05
Matrix		Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/25/05	05/26/05	05/31/05	06/02/05	06/13/05
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Equipment Blank (1-1)
Miscellaneous Parameters						
Sulfide	MG/L	NA	NA	NA	NA	0.10 U
Total Dissolved Solids	MG/L	NA	NA	NA	NA	167

Flags assigned during chemistry validation are shown.

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Detection Limits shown are PQL

Advanced Selection: State RI Field QC
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[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-6-20-05	TB-6-21-05	EB623-05GW
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		06/20/05	06/21/05	06/23/05
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
VOCs				
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U
Acetone	UG/L	5.0 U	5.0 U	5.0 U
Benzene	UG/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_

Checked By _AMK 3/3/06_

Detection Limits shown are PQL

Advanced Selection: State RI Field QC
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[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-6-20-05	TB-6-21-05	EB623-05GW
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		06/20/05	06/21/05	06/23/05
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
VOCs				
Bromoform	UG/L	1.0 U	1.0 U	1.0 U
Bromomethane	UG/L	1.0 U	1.0 U	1.0 U
Carbon disulfide	UG/L	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	1.0 U	1.0 U	1.0 U
Bromochloromethane	UG/L	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	1.0 U	1.0 U	1.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	1.0 U	1.0 U	1.0 U
Styrene	UG/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U
Toluene	UG/L	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_
Checked By _AMK 3/3/06_

Detection Limits shown are PQL

Advanced Selection: State RI Field QC
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[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-6-20-05	TB-6-21-05	EB623-05GW
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		06/20/05	06/21/05	06/23/05
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
VOCs				
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	3.0 U	3.0 U	3.0 U
Total BTEX	UG/L	ND	ND	ND
Total VOCs	UG/L	ND	ND	ND
SVOCs				
1,1-Biphenyl	UG/L	NA	NA	10 U
2,2-oxybis(1-Chloropropane)	UG/L	NA	NA	10 U
2,4,5-Trichlorophenol	UG/L	NA	NA	10 U
2,4,6-Trichlorophenol	UG/L	NA	NA	10 U
-Dichlorophenol	UG/L	NA	NA	10 U
2,4-Dimethylphenol	UG/L	NA	NA	10 U
2,4-Dinitrophenol	UG/L	NA	NA	49 U
2,4-Dinitrotoluene	UG/L	NA	NA	10 U
2,6-Dinitrotoluene	UG/L	NA	NA	10 U
2-Chloronaphthalene	UG/L	NA	NA	10 U
2-Chlorophenol	UG/L	NA	NA	10 U
2-Methylnaphthalene	UG/L	NA	NA	10 U
2-Methylphenol (o-cresol)	UG/L	NA	NA	10 U
2-Nitroaniline	UG/L	NA	NA	49 U
2-Nitrophenol	UG/L	NA	NA	10 U
3,3-Dichlorobenzidine	UG/L	NA	NA	20 U
3-Nitroaniline	UG/L	NA	NA	49 U
4,6-Dinitro-2-methylphenol	UG/L	NA	NA	49 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_

cked By _AMK 3/3/06_

Detection Limits shown are PQL

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-6-20-05	TB-6-21-05	EB623-05GW
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		06/20/05	06/21/05	06/23/05
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
SVOCs				
4-Bromophenyl-phenylether	UG/L	NA	NA	10 U
4-Chloro-3-methylphenol	UG/L	NA	NA	10 U
4-Chloroaniline	UG/L	NA	NA	10 U
4-Chlorophenyl-phenylether	UG/L	NA	NA	10 U
4-Methylphenol (p-cresol)	UG/L	NA	NA	10 U
4-Nitroaniline	UG/L	NA	NA	49 U
4-Nitrophenol	UG/L	NA	NA	49 U
Acenaphthene	UG/L	NA	NA	10 U
Acenaphthylene	UG/L	NA	NA	10 U
etophenone	UG/L	NA	NA	10 U
Anthracene	UG/L	NA	NA	10 U
Atrazine	UG/L	NA	NA	10 U
Benzaldehyde	UG/L	NA	NA	49 U
Benzo(a)anthracene	UG/L	NA	NA	10 U
Benzo(a)pyrene	UG/L	NA	NA	10 U
Benzo(b)fluoranthene	UG/L	NA	NA	10 U
Benzo(g,h,i)perylene	UG/L	NA	NA	10 U
Benzo(k)fluoranthene	UG/L	NA	NA	10 U
bis(2-Chloroethoxy)methane	UG/L	NA	NA	10 U
bis(2-Chloroethyl)ether	UG/L	NA	NA	10 U
bis(2-Ethylhexyl)phthalate	UG/L	NA	NA	10 U
Butylbenzylphthalate	UG/L	NA	NA	10 U
Caprolactam	UG/L	NA	NA	10 U

Flags assigned during chemistry validation are shown.

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ecked By _AMK 3/3/06_

Detection Limits shown are PQL

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

Advanced Selection: State RI Field QC
N:\11173487.00000\DB\Program\EDMS.mde
Printed: 3/3/2006 9:50:58 AM

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-6-20-05	TB-6-21-05	EB623-05GW
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		06/20/05	06/21/05	06/23/05
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
SVOCs				
Carbazole	UG/L	NA	NA	2 J
Chrysene	UG/L	NA	NA	10 U
Dibenz(a,h)anthracene	UG/L	NA	NA	10 U
Dibenzofuran	UG/L	NA	NA	10 U
Diethylphthalate	UG/L	NA	NA	10 U
Dimethylphthalate	UG/L	NA	NA	10 U
Di-n-butylphthalate	UG/L	NA	NA	10 U
Di-n-octylphthalate	UG/L	NA	NA	10 U
Fluoranthene	UG/L	NA	NA	10 U
uorene	UG/L	NA	NA	10 U
Hexachlorobenzene	UG/L	NA	NA	10 U
Hexachlorobutadiene	UG/L	NA	NA	10 U
Hexachlorocyclopentadiene	UG/L	NA	NA	44 U
Hexachloroethane	UG/L	NA	NA	10 U
Indeno(1,2,3-cd)pyrene	UG/L	NA	NA	10 U
Isophorone	UG/L	NA	NA	10 U
Naphthalene	UG/L	NA	NA	10 U
Nitrobenzene	UG/L	NA	NA	10 U
N-Nitroso-di-n-propylamine	UG/L	NA	NA	10 U
N-Nitrosodiphenylamine	UG/L	NA	NA	10 U
Pentachlorophenol	UG/L	NA	NA	49 U
Phenanthrene	UG/L	NA	NA	10 U
Phenol	UG/L	NA	NA	10 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_
ecked By _AMK 3/3/06_

Detection Limits shown are PQL

Advanced Selection: State RI Field QC
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Printed: 3/3/2006 9:50:58 AM

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-6-20-05	TB-6-21-05	EB623-05GW
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		06/20/05	06/21/05	06/23/05
Parameter	**Units**	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
SVOCs				
Pyrene	UG/L	NA	NA	10 U
Total PAHs	UG/L	NA	NA	ND
Total SVOCs	UG/L	NA	NA	2
Polychlorinated Biphenyls				
Aroclor 1016	UG/L	NA	NA	0.48 U
Aroclor 1221	UG/L	NA	NA	0.48 U
Aroclor 1232	UG/L	NA	NA	0.48 U
Aroclor 1242	UG/L	NA	NA	0.48 U
Aroclor 1248	UG/L	NA	NA	0.48 U
Aroclor 1254	UG/L	NA	NA	0.48 U
Aroclor 1260	UG/L	NA	NA	0.48 U
Total Polychlorinated Biphenyls	UG/L	NA	NA	ND
Metals				
Aluminum	UG/L	NA	NA	200 U
Antimony	UG/L	NA	NA	20.0 U
Arsenic	UG/L	NA	NA	10.0 U
Barium	UG/L	NA	NA	2.0 U
Beryllium	UG/L	NA	NA	2.0 U
Cadmium	UG/L	NA	NA	1.0 U
Calcium	UG/L	NA	NA	500 U
Chromium	UG/L	NA	NA	4.0 U
Cobalt	UG/L	NA	NA	4.0 U
Copper	UG/L	NA	NA	10.0 U

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_
Checked By _AMK 3/3/06_

Detection Limits shown are PQL

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

Advanced Selection: State RI Field QC
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Printed: 3/3/2006 9:50:58 AM

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-6-20-05	TB-6-21-05	EB623-05GW
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		06/20/05	06/21/05	06/23/05
Parameter	**Units**	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Metals				
Iron	UG/L	NA	NA	50.0 U
Lead	UG/L	NA	NA	5.0 U
Magnesium	UG/L	NA	NA	200 U
Manganese	UG/L	NA	NA	3.0 U
Mercury	UG/L	NA	NA	0.200 U
Nickel	UG/L	NA	NA	10.0 U
Potassium	UG/L	NA	NA	500 U
Selenium	UG/L	NA	NA	15.0 U
Silver	UG/L	NA	NA	3.0 U
ɒdium	UG/L	NA	NA	1,000 U
Thallium	UG/L	NA	NA	20.0 U
Vanadium	UG/L	NA	NA	5.0 U
Zinc	UG/L	NA	NA	20.0 U
Filtered Metals				
Iron	UG/L	NA	NA	NA
Miscellaneous Parameters				
Alkalinity, Total (as CaCO3)	MG/L	NA	NA	NA
Chloride	MG/L	NA	NA	NA
Total Cyanide	UG/L	NA	NA	10 U
Nitrate-Nitrogen	MG/L	NA	NA	NA
Nitrite-Nitrogen	MG/L	NA	NA	NA
Phenolics, Total Recoverable	MG/L	NA	NA	0.010 U
Sulfate (as SO4)	MG/L	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_
ecked By _AMK 3/3/06_

Detection Limits shown are PQL

Advanced Selection: State RI Field QC
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Printed: 3/3/2006 9:50:58 AM

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

TABLE G-5
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
FORMER STATE ROAD MGP SITE - LOCKPORT, NY
NEW YORK STATE ELECTRIC AND GAS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TB-6-20-05	TB-6-21-05	EB623-05GW
Matrix		Quality Control	Quality Control	Quality Control
Depth Interval (ft)		-	-	-
Date Sampled		06/20/05	06/21/05	06/23/05
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)	Equipment Blank (1-1)
Miscellaneous Parameters				
Sulfide	MG/L	NA	NA	NA
Total Dissolved Solids	MG/L	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By_JJL 3/3/06_
Checked By _AMK 3/3/06_

Detection Limits shown are PQL

Advanced Selection: State RI Field QC
N:\11173467.00000\DB\Program\EDMS.mde
Printed: 3/3/2006 9:50:58 AM

[LOGDATE] >= #2/17/2005# AND ([FLDSAMPID] = 'RB-01' OR [FLDSAMPID] = 'RB-02' OR [FLDSAMPID] = 'RB-03' OR [FLDSAMPID] = 'RB-05' OR [FLDSAMPID] = 'EB-6-13-05' OR [FLDSAMPID] = 'EB623-05GW' OR [FLDSAMPID] = 'TB-6-20-05' OR [FLDSAMPID] = 'TB-6-21-05')

ATTACHMENT A

LABORATORY REPORTS FOR NATURAL OXIDANT DEMAND ANALYSES

CARUS®

CARUS CHEMICAL COMPANY
Technology and Quality
Remediation Report
14 June 2005

Customer: URS Corporation
282 Delaware Avenue
Buffalo, NY 14202

Cc: P. Vella
B. Veronda

Attention: Jim Lehnen

Keywords: Permanganate
Remediation
Soil
Groundwater

From: E. Vlastnik/K. Frasco

Tech # 9872

Subject: RemOx™ S ISCO Reagent Soil and Groundwater Demands

Summary

The average permanganate soil oxidant demand (PSOD) for the low permanganate dose at 48 hours was determined to be 1.3 g/kg. The PSOD for the medium permanganate dose at 48 hours was determined to be 4.2 g/kg. The PSOD for the high permanganate dose at 48 hours was determined to be 5.9 g/kg. These values are calculated on a mass per dry weight of soil.

The permanganate groundwater oxidant demand (PWOD) for the low permanganate dose at 48 hours was determined to be 0.001 g/L. The PSOD for the medium permanganate dose at 48 hours was determined to be 0.001 g/L. The PSOD for the high permanganate dose at 48 hours was determined to be 0.001 g/L. Based on the soil and groundwater demands, in-situ chemical oxidation with permanganate is recommended for this site.

Background

Eight soil samples and one groundwater sample were received from URS Corporation on May 27, 2005 from the NYSEG Lockport site. The soil samples were identified as GB-04 3-4 feet, GB-13 16-17 feet, GB-15 3-4 feet, GB-26 8.5-9.5 feet, GB-29 12-13 feet, GB-30 12.5-13.5 feet, GB-30 12.5-13.5 feet MS/MSD, and Field QC – Dup-02. The groundwater sample was identified as RB-01. The soil and groundwater samples were analyzed for permanganate soil and groundwater oxidant demands. The measurement of the permanganate soil and groundwater oxidant demands is used to estimate the concentration of permanganate that will be consumed by the natural reducing agents as well as the contaminants of concern in the soil or groundwater during a given time period.

Experimental

To determine the PSOD of the soil, a reaction vessel for each soil sample was filled with about 50 grams of soil. A total volume of 100 mLs of deionized water and concentrated permanganate dosing solution were added for a 1:2 soil to water ratio. The initial permanganate concentrations averaged about 3.3 g/kg for the low dose, 16.5 g/kg for the medium dose, and 32.9 g/kg for the high dose on a dry soil basis. The reaction vessels were inverted twice per day during the 48-hour

reaction time. Residual permanganate (MnO_4^-) was determined at 48 hours. The moisture content for each soil sample was determined using ASTM Method D 2216-98 and the demands were calculated on a dry weight basis.

To determine the PWOD of the groundwater, a reaction vessel was filled with 90 mls of groundwater for a low (0.05 g/L), medium (0.10 g/L) and high (0.51 g/L) concentration of permanganate. At the start of each experimental run, 10 mls of concentrated oxidant solution was introduced into the reaction vessels. The reaction vessels were inverted twice per day during the 48 hours reaction time. Residual permanganate (MnO_4^-) was determined at 48 hours.

Results

The permanganate demand is the amount of permanganate consumed in a given amount of time. It should be noted that in a soil or groundwater sample, the oxidation of any compound by permanganate is dependent on the initial dose of permanganate and the reaction time available. As the permanganate dose is increased, the reaction rate and oxidant consumption may also increase. Some compounds that are not typically oxidized by permanganate under low doses can become reactive with permanganate at higher concentrations. Therefore, increasing the permanganate dose to extreme excess could be disadvantageous to a remediation project (e.g., inefficient chemical usage, higher costs, etc.).

The 48-hour PSOD and results of the soil for the low (3.3 g/kg), medium (16.5 g/kg), and high oxidant doses (32.9 g/kg) can be seen in Table 1.

Table 1: Soil 48-Hour PSOD* for the Low, Medium, and High Permanganate Doses

Sample ID	Low Dose (g/kg)	Medium Dose (g/kg)	High Dose (g/kg)	Moisture (%)
GB-04 3-4'	3.1	11.4	17.2	14.63
GB-13 16-17'	0.5	0.6	0.7	16.15
GB-15 3-4'	0.3	0.5	0.7	16.43
GB-26 8.5-9.5'	3.2	15.9	23.4	13.28
GB-29 12-13'	0.7	1.2	1.3	10.26
GB-30 12.5-13.5'	0.9	1.6	1.5	14.24
GB-30 12.5-13.5' MS/MSD	0.9	1.4	1.6	14.71
Field QC – Dup-02	0.6	0.7	1.0	16.11
Average	1.3	4.2	5.9	14.48

* All demands were calculated on a dry weight basis. The dose on a dry basis varied with soil moisture. To convert to as received, multiply the dry value by 1 minus the moisture. For example, the demand from the high dose for the Field QC – Dup 02 soil sample is 1.0 g/kg (dry) x (1-0.1611) = 0.8 g/kg (as received).

The 48-hour PWOD and results of the groundwater for the low (0.05 g/L), medium (0.10 g/L), and high oxidant doses (0.51 g/L) can be seen in Table 2.

Table 2: Groundwater 48-Hour PWOD for the Low, Medium, and High Permanganate Doses

Sample ID	Low Dose (g/L)	Medium Dose (g/L)	High Dose (g/L)
RB-01	0.001	0.001	0.001

Conclusions

For this application the amount of permanganate needed will be dependent on the reaction time allowed. Soil samples GB-04 3-4' and GB-26 8.5-9.5' had a moderate demand with an average 48-hour permanganate demand value of 20.3 g/kg for the high permanganate dose. The remaining soil samples had a low demand with an average 48-hour permanganate demand value of 1.1 g/kg for the high permanganate dose. The groundwater sample also had a low demand a 48-hour permanganate value of 0.001 g/L for the high permanganate dose.

Generally, remediation sites with a soil demand of less than 35.0 g/kg at 48 hours for the high permanganate dose and with a groundwater demand of less than 0.5 g/L at 48 hours for the high permanganate dose is favorable for in-situ chemical oxidation with permanganate (see Tables 3 and 4 for additional information). Due to the wide variability in the soil demand results, a pilot study or additional site characterization is recommended to confirm laboratory results and determine the parameters for a full-scale trial.

Table 3: Correlation of Soil Oxidant Demand Results*

PSOD (g/kg)	Rank	Comment
<15	Low	ISCO with MnO_4 is recommended, PSOD contribution to MnO_4 demand is low
15-35	Moderate	ISCO with MnO_4 is recommended
35-50	Moderately High	ISCO with MnO_4 is recommended but PSOD will contribute significantly to MnO_4 demand. Pilot test may help define these demands.
>50	High	Pilot testing is highly recommended to determine effective PSOD at the site.

*Dry Weight Basis

Table 4: Correlation of Groundwater Oxidant Demand Results

NOD (g/L)	Rank	Comment
<0.15	Low	ISCO with MnO_4 is recommended, PWOD contribution to MnO_4 demand is low
0.15-0.35	Moderate	ISCO with MnO_4 is recommended
0.35-0.50	Moderately High	ISCO with MnO_4 is recommended but PWOD will contribute significantly to MnO_4 demand. Pilot test may help define these demands.
>0.50	High	Pilot testing is highly recommended to determine effective NOD at the site.

TECH 987

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME N. SEC - Lockport

SAMPLERS (PRINT/SIGNATURE) Rob Murphy / R. [signature]

LAB (QA) ~~CAMUS~~ Caruso

COOLER 1 of 1

PAGE 1 of 1

DELIVERY SERVICE: FEDEX AIRBILL NO.: 8507 2877 8336

TESTS: NOD, NOD

BOTTLE TYPE AND PRESERVATIVE: 16oz wide glass, 1L Amber

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
GB-15	5/24/05	1040	G	GB-15-3'-4'	SO	1		N	3	4	
GB-26	5/25/05	1500	G	GB-26-8.5-9.5'	[redacted]	1		N	8.5	9.5	
RB-01	5/25/05	1530	G	RB-01	WQ	1		RB	-	-	
GB-29	5/26/05	0920	G	GB-29-12'-13'	SO	1		N	12	13	
GB-30	5/26/05	0950	G	GB-30-12.5'-13.5'	SO	1		N	12.5	13.5	
GB-30	5/26/05	0950	G	GB-30-12.5'-13.5' MS/MSD	SO	1	MS/SD	MS/SD	12.5	13.5	
GB-13	5/26/05	1245	G	GB-13-16'-17'	SO	1		N	16	17	
FieldQC	5/26/05	-	G	Dup-02	SO	1		FR	-	-	
GB-04	5/26/05	1750	G	GB-04-3'-4'	SO	1		N	3	4	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE) for Lab	DATE	TIME
[signature]	5/26/05	1940	[signature]	5/27/05	10:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions Call Jim Lehnen or Anne Marie Kroportich. phone 716-856-5636

URS 77 Goodell St Fl 4 Buffalo NY 14203-2205

Distribution: Original accompanies shipment, copy to coordinator field files Ice still frozen

URSF-075C/1 OF 1/CofCR/GCM

CARUS®

CARUS CHEMICAL COMPANY
Technology and Quality
Remediation Report

17 June 2005

Customer: URS Corporation
282 Delaware Avenue
Buffalo, NY 14202

Cc: K. Frasco
P. Vella
B. Veronda

Attention: Jim Lehnen

Keywords: Permanganate
Soil
Remediation

From: E. Vlastnik

Tech # 9879

Subject: RemOx™ S ISCO Reagent Soil Demands

Summary

The soil sample GB-19 7-8' had an extremely high demand of 388 g/kg. The remaining soils (GB-23 3-4', GB-35 3-5', GB-37 13-14', and GB-39 14-16') had an average permanganate soil oxidant demand (PSOD) for the low permanganate dose at 48 hours estimated to be > 2.9 g/kg. The PSOD for the medium permanganate dose at 48 hours was estimated to be > 9.8 g/kg. The PSOD for the high permanganate dose at 48 hours was estimated to be > 15.5 g/kg. These values are calculated on a mass per dry weight of soil.

Background

Five soil samples were received from URS Corporation on June 1, 2005 from the NYSEG Lockport site. The soil samples were identified as GB-19 7-8 feet, GB-23 3-4 feet, GB-35 3-5 feet, GB-37 13-14 feet, and GB-39 14-16 feet. A limited volume of GB-19 was available. The soil samples were analyzed for permanganate soil oxidant demands. Large rocks (>5 g) were excluded from the analysis. The measurement of the permanganate soil oxidant demand is used to estimate the concentration of permanganate that will be consumed by the natural reducing agents as well as the contaminants of concern in the soil during a given time period.

Experimental

To determine the PSOD of the soil, a reaction vessel for each of the soil samples was filled with about 50 grams of soil. A total volume of 100 mLs of deionized water and concentrated permanganate dosing solution were added for a 1:2 soil to deionized water ratio. Because the quantity of GB-19 was limited, 30 grams of soil and 60 mLs of deionized water and permanganate solution were used. The initial permanganate concentrations averaged about 3.3 g/kg (low dose), 16.7 g/kg (medium dose), and 33.3 g/kg (high dose) on a dry soil basis. The reaction vessels were inverted twice per day during the 48-hour reaction time. Residual permanganate (MnO_4^-) was determined at 48 hours. The moisture content for each soil sample was determined using ASTM Method D 2216-98 and the demands were calculated on a dry weight basis.

For GB-19, the high permanganate dose was consumed in less than 48 hours. The PSOD was dosed with higher permanganate concentrations (88 g/kg, 168 g/kg, and 401 g/kg) using 5.5 g of soil and a total volume of 11 mLs concentrated permanganate dosing solution and deionized water for a 1:2 soil to water ratio.

Results

The permanganate demand is the amount of permanganate consumed in a given amount of time. It should be noted that in a soil or groundwater sample, the oxidation of any compound by permanganate is dependent on the initial dose of permanganate and the reaction time available. As the permanganate dose is increased, the reaction rate and oxidant consumption may also increase. Some compounds that are not typically oxidized by permanganate under low doses can become reactive with permanganate at higher concentrations. Therefore, increasing the permanganate dose to extreme excess could be disadvantageous to a remediation project (e.g., inefficient chemical usage, higher costs, etc.).

The 48-hour PSOD and results of the soil for the low, medium, and high oxidant doses can be seen in Table 1 (dry soil basis).

Table 1: Soil 48-Hour PSOD* for the Low, Medium, and High Permanganate Doses

Sample ID Soil	Low Dose (g/kg)	Medium Dose (g/kg)	High Dose (g/kg)	Moisture (%)
GB-19 7-8'	>3.3	>16.7	>33.3	34.27%
GB-23 3-4'	2.9	8.8	13.2	7.50%
GB-35 3-4'	>3.1	>15.5	30.3	9.46%
GB-37 13-14'	>3.2	11.3	14.0	13.27%
GB-39 14-16'	2.3	3.5	4.4	6.65%

* All demands were calculated on a dry weight basis. The dose on a dry basis varied with soil moisture. To convert the demand results from a dry weight basis to an as received basis, multiply the dry value by 1 minus the moisture. For example, the demand for GB-37 from the high dose is 14.0 g/kg (dry) x (1-0.1327) = 12.1 g/kg (as received).
** Averages are estimated

Soil sample GB-19 7-8' exceeded the highest typical permanganate dose. It was dosed with higher permanganate concentrations and determined to have a permanganate demand of 388 g/kg from a dose of 401 g/kg.

Conclusions

For this application the amount of permanganate needed will be dependent on the reaction time allowed. Soil sample GB-19 7-8' had an extremely high demand with a 48-hour permanganate demand value of 388 g/kg for the extra high permanganate dose. Soil sample GB-35 3-4' had a moderately high demand with a 48-hour permanganate demand value of 30.3 g/kg for the high permanganate dose. The remaining soil samples had a low demand with an average 48-hour permanganate demand value of 9.9 g/kg for the high permanganate dose. Generally, remediation sites with a soil demand of less than 35.0 g/kg at 48 hours for the high permanganate dose is favorable for in-situ chemical oxidation with permanganate (see Table 2 for additional information). A pilot study or additional site characterization is recommended to confirm laboratory results and determine the parameters for a full-scale trial.

Table 2: Correlation of Soil Oxidant Demand Results*

PSOD (g/kg)	Rank	Comment
<15	Low	ISCO with MnO_4 is recommended, PSOD contribution to MnO_4 demand is low
15-35	Moderate	ISCO with MnO_4 is recommended
35-50	Moderately High	ISCO with MnO_4 is recommended but PSOD will contribute significantly to MnO_4 demand. Pilot test may help define these demands.
>50	High	Pilot testing is highly recommended to determine effective PSOD at the site.

*Dry Weight Basis

Rec. 6/1/05

TECH9879

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG Lockport

LAB Caruso

COOLER 1 of 1

PAGE 1 of 1

SAMPLERS (PRINT/SIGNATURE) Rob Murphy / R. Murphy

DELIVERY SERVICE: FedEx AIRBILL NO.:

TESTS: VOD

BOTTLE TYPE AND PRESERVATIVE: 1692 wide 9655 Clone

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
GB-37	5/27/05	1015	G	GB-37-13'-14'	SO	1	1	N	13	14	
GB-39	5/27/05	1200	G	GB-39-14'-16	SO	1	1	N	14	16	
GB-35	5/31/05	1212	G	GB-35-3-5'	SO	1	1	N	3	5	
GB-23	5/31/05	1558	G	GB-23-3-4'	SO	1	1	N	3	4	
GB-19	5/31/05	1655	G	GB-19-7-8'	SO	1	1	Limited volume all available provided	N	7	8

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/31/05	1930			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
			(Tina Garcia) lev	6/1/05	2pm

SPECIAL INSTRUCTIONS: Any Questions contact Jim Lehman 716-856-5636.

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

CARUS®

CARUS CHEMICAL COMPANY
Technology and Quality
Remediation Report

17 June 2005

Customer: URS Corporation
282 Delaware Avenue
Buffalo, NY 14202

Cc: K. Frasco
P. Vella
B. Veronda

Attention: Jim Lehnen

Keywords: Permanganate
Soil
Remediation

From: E. Vlastnik

Tech # 9882

Subject: RemOx™ S ISCO Reagent Soil Demands

Summary

The soil sample GB-17 6.2-8.2' had high demand of 76.7 g/kg. The remaining soils (GB-09 10-12', GB-20 4-6', and GB-42 8.5-10.5') had an average permanganate soil oxidant demand (PSOD) for the low permanganate dose at 48 hours was estimated to be >3.2 g/kg. The PSOD for the medium permanganate dose at 48 hours was estimated to be >9.8 g/kg. The PSOD for the high permanganate dose at 48 hours was determined to be 14.9 g/kg. These values are calculated on a mass per dry weight of soil.

Background

Four soil samples were received from URS Corporation on June 2, 2005 from the NYSEG Lockport site. The soil samples were identified as GB-17 6.2-8.2 feet, GB-09 10-12 feet, GB-20 4-6 feet, and GB-42 8.5-10.5 feet. A limited volume of GB-17 was available. The soil samples were analyzed for permanganate soil oxidant demands. Large rocks (>5 g) were excluded from the analysis. The measurement of the permanganate soil oxidant demand is used to estimate the concentration of permanganate that will be consumed by the natural reducing agents as well as the contaminants of concern in the soil during a given time period.

Experimental

To determine the PSOD of the soil, a reaction vessel for each of the soil samples was filled with about 50 grams of soil. A total volume of 100 mLs of deionized water and concentrated permanganate dosing solution were added for a 1:2 soil to deionized water ratio. Because the quantity of GB-17 was limited, 30 grams of soil and 60 mLs of deionized water and permanganate solution were used. The initial permanganate concentrations averaged about 3.3 g/kg (low dose), 16.4 g/kg (medium dose), and 32.9 g/kg (high dose) on a dry soil basis. The reaction vessels were inverted twice per day during the 48-hour reaction time. Residual permanganate (MnO_4^-) was determined at 48 hours. The moisture content for each soil sample was determined using ASTM Method D 2216-98 and the demands were calculated on a dry weight basis.

For GB-17, the high permanganate dose was consumed in less than 48 hours. The PSOD was dosed with higher permanganate concentrations (78.0 g/kg and 148.2 g/kg) using 5.5 g of soil and a total volume of 11 mLs concentrated permanganate dosing solution and deionized water for a 1:2 soil to water ratio.

Results

The permanganate demand is the amount of permanganate consumed in a given amount of time. It should be noted that in a soil or groundwater sample, the oxidation of any compound by permanganate is dependent on the initial dose of permanganate and the reaction time available. As the permanganate dose is increased, the reaction rate and oxidant consumption may also increase. Some compounds that are not typically oxidized by permanganate under low doses can become reactive with permanganate at higher concentrations. Therefore, increasing the permanganate dose to extreme excess could be disadvantageous to a remediation project (e.g., inefficient chemical usage, higher costs, etc.).

The 48-hour PSOD and results of the soil for the low, medium, and high oxidant doses can be seen in Table 1 (dry soil basis).

Table 1: Soil 48-Hour PSOD* for the Low, Medium, and High Permanganate Doses

Sample ID Soil	Low Dose (g/kg)	Medium Dose (g/kg)	High Dose (g/kg)	Moisture (%)
GB-09 10-12'	>3.1	9.2	9.7	8.97%
GB-17 6.2-8.2'	>3.3	>16.4	>32.9	25.92%
GB-20 4-6'	>3.3	>16.4	30.3	19.23%
GB-42 8.5-10.5'	2.9	3.8	4.6	10.89%

* All demands were calculated on a dry weight basis. The dose on a dry basis varied with soil moisture. To convert the demand results from a dry weight basis to an as received basis, multiply the dry value by 1 minus the moisture. For example, the demand for GB-42 from the high dose is 4.6 g/kg (dry) x (1-0.1089) = 4.1 g/kg (as received).
** Averages are estimated

Soil sample GB-19 7-8'exceeded the highest typical permanganate dose. It was dosed with higher permanganate concentrations and determined to have a permanganate demand of 76.7 g/kg from a dose of 78.0 g/kg.

Conclusions

For this application the amount of permanganate needed will be dependent on the reaction time allowed. Soil sample GB-17 6.2-8.2' had a high demand with a 48-hour permanganate demand value of 76.7 g/kg for the extra high permanganate dose of 78.0 g/kg. Soil sample GB-20 4-6' had a moderate demand with a 48-hour permanganate demand value of 30.3 g/kg for the high permanganate dose. The remaining soil samples had a low demand with an average 48-hour permanganate demand value of 7.2 g/kg for the high permanganate dose. Generally, remediation sites with a soil demand of less than 35.0 g/kg at 48 hours for the high permanganate dose is favorable for in-situ chemical oxidation with permanganate (see Table 2 for additional information). A pilot study or additional site characterization is recommended to confirm laboratory results and determine the parameters for a full-scale trial.

TECH9882

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11739733.884800 | SITE NAME NYSEG-LOCKPORT

SAMPLERS (PRINT/SIGNATURE) ROB MURPHY

DELIVERY SERVICE: FEDEX | AIRBILL NO.:

LAB CARUS

COOLER 1 of 1

PAGE 1 of 1

TESTS: NOD

BOTTLE TYPE AND PRESERVATIVE: 1602 6W

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
GB-17	6/1/05	0920	G	GB-17-6.2-8.2	SO	1		N1	6.2	8.2	
GB-09	6/1/05	1012	G	GB-09-10-12	SO	1		N1	10	12	
GB-20	6/1/05	1220	G	GB-20-4-6	SO	1		N1	4	6	
GB-42	6/1/05	1255	G	GB-42-8.5-10.5	SO	1		N1	8.5	10.5	

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R Murphy	6/1/05	1948	Beth Ulenthal	6/2/05	2:15pm
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions call Jim Lehmen 716-856-5636

SAMPLES SHIPPED ON ICE

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

ATTACHMENT B

LABORATORY REPORTS FOR ADDITIONAL CYANIDE ANALYSES

CLARKSON UNIVERSITY
Department of Civil and Environmental Engineering
P.O. Box 5710 • 104 Rowley Laboratories
Potsdam, New York 13699-5710
315-268-6529/7701 • Fax 315-268-7985/7636

May 19, 2005

Jim Lehnen
URS Corporation
77 Goodell Street
Buffalo, NY 14072

Re: Soil samples samples analyzed by Eleanor Hopke, Clarkson University

Dear Mr. Lehnen:

Four soil samples were received from Severn Trent Laboratories, Inc. (Amherst, NY) for analysis on April 28, 2005. The samples arrived cold in glass jars.

Requested analyses were Sample Extraction, Total Cyanide, Free Cyanide by Microdiffusion, and Iron Cyanide Complexes by Ion Chromatography for all samples. Reagent Blanks, Spikes and Duplicates were analyzed, as were Check Standards.

Two samples were extracted and analyzed in duplicate and the results for these samples were averaged. A portion of each sample was extracted in a mixture of 500 ml deionized water plus 5 ml 50% sodium hydroxide for about 16 hours. The liquid was then centrifuged and the supernatant decanted. For the iron cyanide analysis the pH was reduced to about 11-11.5 with 1:1 sulfuric acid and filtered through 0.45 micron filters before injection into the ion chromatograph. Total Solids were analyzed for the samples in order to covert the results to dry weight.

Total Solids - APHA *Standard Methods* 2540 G. "Total, Fixed and Volatile Solids in Solid and Semisolid Samples."

The following methods were used to analyze the soil extraction liquids:

Total Cyanide - APHA *Standard Methods* 4500-CN^- C., "Total Cyanide after Distillation" and APHA *Standard Methods* 4500-CN^- E., "Colorimetric Method."

Diffusible Cyanide - *ASTM* D4282-95, "Standard Test Method for Determination of Free Cyanide in Water and Wastewater by Microdiffusion." adding some lower concentration standards to better bracket the sample concentrations, and substituting APHA 4500-CN^- D. to standardize the stock cyanide standard. Additional buffer was added to lower the pH of the soil extraction liquids adequately for the analysis.

Iron Cyanide Complexes - *ASTM* D6994-04, "Standard Test Method for Determination of Metal Cyanide Complexes in Wastewater, Surface Water, Groundwater and Drinking Water Using Anion Exchange Chromatography with UV Detection." The samples were filtered and the pH reduced, as described above. 10 ml preconcentration was used.

For Diffusible and Total Cyanide, the stock cyanide standard was calibrated using *Standard Methods*, 4500-CN^- D., "Titrimetric Method."

The analytical results follow:

Soil Samples

Results in mg CN^-/kg

ID	Analysis Date	Total CN	Analysis Date	Free CN	Analysis Date	Fe(CN)6
SED 06 0-1	5/3/05	0.264	4/29/05	<0.03	5/6/05	0.203
SED 09 0-1	5/3;5/9/05	0.440	4/29/05	<0.05	5/6/05	0.267
SED 16 0-1	5/3;5/9/05	0.368	4/29/05	<0.05	5/6/05	0.386
SED 17 0-1	5/3;5/9/05	0.200	4/29/05	<0.03	5/6/05	0.124
Duplicate	SED 17	0.194, 0.206	SED 17	<0.03,<0.03	SED 06	0.202, 0.205
Spike	SED 09	109.2%	SED 17	75.8%	SED 09	83.7%
Check Std		109.1%		99.6%		109.3%
Reagent Blank		<0.003 mgCN/L		<0.0023 mgCN/L		<0.005 mgCN/L

If you have any questions, or if I can provide further information, please let me know. Thank you very much for the opportunity to analyze these samples for you.

Sincerely,

Eleanor Hopke

Eleanor Hopke
Research Technician
Tel: 315-268-3772

CLARKSON UNIVERSITY
Department of Civil and Environmental Engineering
P.O. Box 5710 • 104 Rowley Laboratories
Potsdam, New York 13699-5710
315-268-6529/7701 • Fax 315-268-7985/7636

Jim Lehnen
URS Corporation
77 Goodell Street
Buffalo, NY 14072

Re: Sediment samples analyzed by Eleanor Hopke, Clarkson University

Dear Mr. Lehnen:

Twelve sediment samples were received from STL-Buffalo for analysis on June 3, 2005. Eleven more sediment samples were received from STL-Buffalo for analysis on June 10, 2005. The samples arrived cold in glass jars.

Requested analyses were Sample Extraction, Total Cyanide, Free Cyanide by Microdiffusion, and Iron Cyanide Complexes by Ion Chromatography for all samples. Reagent Blanks, Spikes and Duplicates were analyzed, as were Check Standards. Analyses were carried out within 14 days of the sample extraction.

Sample Extraction - EPA *SW-846* Method 9013A, "Cyanide Extraction Procedure for Solids and Oils." Whatman GF/F-equivalent glass fiber filters were used to filter the extraction liquid. Because the filters clogged almost immediately, the samples were centrifuged before filtration. Total Solids were analyzed for the samples in order to covert the results to dry weight. For the iron cyanide analyses, samples were diluted with the same NaOH solution used to make calibration standards, as needed to be brought within the calibration range. The pH of sample dilutions or undiluted samples, as appropriate, was checked and reduced to about 11-11.5 with 1:1 sulfuric acid, if necessary. All iron cyanide samples were filtered through 0.45 micron filters before injection into the ion chromatograph.

Total Solids - APHA *Standard Methods* 2540 G. "Total, Fixed and Volatile Solids in Solid and Semisolid Samples."

The following methods were used to analyze the soil extraction liquids:

Total Cyanide - APHA *Standard Methods* 4500-CN^- C., "Total Cyanide after Distillation" and APHA *Standard Methods* 4500-CN^- E., "Colorimetric Method."

Diffusible Cyanide - *ASTM* D4282-95, "Standard Test Method for Determination of Free Cyanide in Water and Wastewater by Microdiffusion." adding some lower concentration standards to better bracket the sample concentrations, and substituting APHA 4500-CN^- D. to standardize the stock cyanide standard. Additional buffer was added to lower the pH of the soil extraction liquids adequately for the analysis. Samples with positive Free Cyanide concentrations were treated with lead carbonate and then filtered to remove any possible sulfide interference. The results for treated and untreated samples were comparable.

Iron Cyanide Complexes - EPA *SW-846* Method 9015. "Metal Cyanide Complexes by Anion Exchange Chromatography and UV Detection." For the iron cyanide analyses the samples were diluted, the pH adjusted, and filtered as described above. 20 ml preconcentration was used. Some of the sample extractions contained an unknown Fe-containing complex, referred to as FeCNX. While the exact nature of this complex in not known, and therefore it cannot be directly quantitated, we have an empirical method to estimate concentrations. Where there is no value given, it does not mean that it is not present, but rather that it was not detected at the sample dilution used. There is no estimate for a detection limit for FeCNX.

For Diffusible and Total Cyanide, the stock cyanide standard was calibrated using *Standard Methods*, 4500-CN^- D., "Titrimetric Method."

The analytical results follow:

Sediment Samples

	Collection Date	Arrival Date	Extraction Date	Total CN Analysis Date	Free CN Analysis Date	Fe(CN)6 Analysis Date	FeCNX Analysis Date
GB 04 5.2-7.2	May 26	June 3	July 6	June 16	June 9	June 17	June 17
GB 05 6-8	May 26	June 3	July 6	June 16	June 9	June 17	June 17
GB 07 12.5-13.5	May 26	June 3	July 6	June 14	June 9	June 17	June 17
GB 08 12-14	May 26	June 3	July 6	June 14	June 9	June 17	June 17
GB 10 6-6.2	May 26	June 3	July 6	June 14	June 9	June 17	June 17
GB 10 12.6-13.6	May 26	June 3	July 6	June 14	June 9	June 17	June 17
GB 14 3.5-9.5	May 23	June 3	July 6	June 14	June 9	June 17	June 17
GB 16 0.5-1.5	May 23	June 3	July 6	June 14	June 9	June 17	June 17
GB 31 9.5-10.5	May 24	June 3	July 6	June 16	June 9	June 17	June 17
GB 32 4-5	May 24	June 3	July 6	June 14	June 9	June 17	June 17
GB 33 3-4	May 24	June 3	July 6	June 14	June 9	June 17	June 17
GB 41 9.5-10.5	May 25	June 3	July 6	June 16	June 9	June 17	June 17
DUP 05	May 27	June 10	July 12	June 16	June 15	June 17	June 17
GB 09 10-12	June 1	June 10	July 12	June 16	June 15	June 17	June 17
GB 19 7-8	May 27	June 10	July 12	June 16	June 15	June 17	June 17
GB 24 9-9.8	June 1	June 10	July 12	June 16	June 15	June 17	June 17
GB 35 3-5	May 31	June 10	July 12	June 21	June 15	June 17	June 17
GB 38 14-16	May 27	June 10	July 12	June 21	June 15	June 17	June 17
GB 39 6-8	May 27	June 10	July 12	June 21	June 15	June 17	June 17
GB 42 8.6-10.5	June 1	June 10	July 12	June 21	June 15	June 17	June 17
SS 05	June 2	June 10	July 12	June 21	June 15	June 17	June 17
SS 06	June 2	June 10	July 12	June 21	June 15	June 17	June 17
SS 08	June 2	June 10	July 12	June 21	June 15	June 17	June 17

Concentration in mg CN/kg dry weight

	Total CN	Free CN	Fe(CN)6 Dilution Factor	Fe(CN)6	FeCNX Dilution Factor	FeCNX
GB 04 5.2-7.2	79.7	0.10	100	65.1	25	0.51
GB 05 6-8	77.4	0.29	50	42.1	10	0.22
GB 07 12.5-13.5	0.10	<0.03	1	0.01	1	<
GB 08 12-14	0.10	<0.03	1	0.02	1	0.01
GB 10 6-6.2	300	0.76	50, 100	188	50	5.52
GB 10 12.6-13.6	1.56	<0.03	10	1.42	10	<
GB 14 8.5-9.5	37.7	<0.04	50	32.7	10	<
GB 16 0.5-1.5 7/14/05 gr	0.15	<0.04	1	0.02	1	<
GB 31 9.5-10.5	17.0	0.33	25	14.6	25	0.82
GB 32 4-5	1.39	<0.04	5	0.46	5	2.71
GB 33 3-4	8.44	<0.05	10	7.76	10	0.10
GB 41 9.5-10.5	0.55	<0.04	5	0.41	5	0.03
DUP 05	2.59	<0.04	10	2.24	10	<
GB 09 10-12	77.6	0.09	100	75.2	25	0.26
GB 19 7-8	0.52	0.14	1	0.06	1	<
GB 24 9-9.8	0.12	<0.04	1	0.03	1	0.01
GB 35 3-5	13.8	0.33	10	10.1	10	0.68
GB 38 14-16	13.2	0.13	10	9.65	10	2.06
GB 39 6-8	2.95	<0.04	10	2.81	10	0.10
GB 42 8.5-10.5	0.09	<0.04	1	0.01	1	<
SS 05	0.17	0.10	1	0.03	1	<
SS 06	2.93	0.08	10	1.58	10	<
SS 08	3.77	0.07	10	1.85	10	0.17
DUP Extraction	16.9, 17.0 GB 31	0.297, 0.359 GB 31	25	14.5, 14.8 GB 31	25	0.844, 0.793 GB 31
	10.3, 17.2 GB 35	0.251, .403 GB 35	10	8.08, 12.2 GB 35	10	8.624, 13.0 GB 35
DUP Analysis	78.2, 77.0 GB 09	0.102, 0.105 GB 04	100	75.7, 74.6 GB 09	25	< GB 09
	0.125, 0.122 GB 24	0.078, 0.086 SS 06	50 100	154, 173 238 GB 10 6-6.2		
SPIKED SAMPLE EXTRACTION (Spiked with Fe(CN)6)	122.4% GB 10 12.6-13.6	none spiked with KCN	10	81.3% GB 10 12.6-13.6		n/a
LABORATORY SPIKE	104.7% GB 39	84.5% GB 10A 91.4% SS 05		96.3% GB 32 (x10) 78.9% SS 06 (x10)		n/a
SPIKED BLANK Extraction (Spiked with Fe(CN)6)	107.1%	none spiked with KCN		104.1%		n/a
CHECK STANDARD(S)	108.2% 105.3%	98.9% 106.1%		108.3%		N/a
REAGENT BLANK	<0.003 mg/L	<0.0023 mg/L		<0.001 mg CN/L		

ATTACHMENT C

DOCUMENTATION SUPPORTING QUALIFICATION OF DATA

STL REPORT NUMBERS A05-5283, A05-5300, A05-5354 AND A05-5355

NON-CONFORMANCE SUMMARY

Job#: A05-5283,A05-5356

STL Project#: NY5A9403
SDG#: LOCK1
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-5283
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A05-5356
Sample Cooler(s) were received at the following temperature(s); 5.0 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte Methylene Chloride was detected in Method Blank VBLK35F (A5B0811002) at a level above the project established reporting limit. The associated samples, GB-15-2-3 and GB-31-9.5-10.5, had levels of Methylene Chloride less than ten times that of the Method Blank value. All sample detections for Methylene Chloride may potentially be due to laboratory contamination and should be evaluated accordingly. All associated sample detections were qualified with a "B".

Samples GB-12-3-4, GB-16-0.5-1.5, GB-26-9.5-10.75 and GB-14-8.5-9.5 were analyzed using medium level techniques due to high concentrations of non-target analytes.

Initial calibration standard curve A5I0001584-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 11.53%.

Initial calibration standard curve A5I0001561-1 exhibited the %RSD of the compounds Chloroethane and Methyl Acetate as greater than 15%. However, the mean RSD of all compounds is 6.93%.

Initial calibration standard curve A5I0001562-1 exhibited the %RSD of the compound Chloroethane as greater than 15%. However, the mean RSD of all compounds is 6.20%.

The analyte Methylene Chloride was detected in VBLK40F (A5B0839802) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Methylene Chloride was detected in VBLK38F (A5B0824802) at a level above the project established reporting limit. Sample GB-27-7.8-8.0 DL was the only sample associated with VBLK38F. GB-27-7.8-8.0 DL was diluted for Benzene therefore, the results should not be effected.

GC/MS Semivolatile Data

All surrogate recoveries were diluted out of range in sample GB-16-0.5-1.5 DL.

The surrogate recovery for 2,4,6-Tribromophenol was diluted out of range in samples GB-14-8.5-9.5 DL and GB-15-2-3 DL.

The spike recoveries for Pentachlorophenol were below the laboratory quality control limits in the Matrix Spike GB-16-0.5-1.5 and Matrix Spike Duplicate GB-16-0.5-1.5. Since the Matrix Spike Blank A5B0781501 recoveries were compliant, no corrective action was required.

The spike recoveries for 2,4-Dinitrotoluene, Acenaphthene, and Pyrene were above the laboratory quality control limits in the Matrix Spike GB-16-0.5-1.5 and Matrix Spike Duplicate GB-16-0.5-1.5 due to elevated detections in the parent sample GB-16-0.5-1.5. Since the Matrix Spike Blank A5B0781501 recoveries were compliant, no corrective action was required.

The spike recoveries for 4-Nitrophenol were above the laboratory quality control limits in the Matrix Spike GB-16-0.5-1.5 due to elevated detections in the parent sample GB-16-0.5-1.5. Since the Matrix Spike Blank A5B0781501 recoveries were compliant, no corrective action was required.

The relative percent difference between the Matrix Spike GB-16-0.5-1.5 and the Matrix Spike Duplicate GB-16-0.5-1.5 exceed quality control criteria for 4-Nitrophenol, Acenaphthene, and Pyrene.

Linear regression was used to calibrate analytes Hexachlorocyclopentadiene and Pentachlorophenol that were greater than 15% RSD in the initial calibration A5I0001606.

Linear regression was used to calibrate analytes Benzoic Acid and Hexachlorocylopentadiened that were greater than 15% RSD in the initial calibration A5I0001581.

All surrogate recoveries were diluted out of range in sample D GB-26-9.5-10.75 DL.

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG-LOCKPORT

SAMPLERS (PRINT/SIGNATURE) ROB MURPHY / R. Murphy

DELIVERY SERVICE: Drop off   AIRBILL NO.: ——

LAB STL-BUFFALO

COOLER 1 of ____

PAGE 1 of ____

TESTS / BOTTLE TYPE AND PRESERVATIVE:
- TCL VOAs — 2oz GW, None
- Total Cyanide — 2oz GW, None
- TCL SVOAs, PCBs, Total Pest., Metals — 16oz GW, None
- TOC — 4oz plastic (the "4" is written over another figure)

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS	TCL VOAs (2oz GW None)	Total Cyanide (2oz GW None)	TCL SVOAs, PCBs, Total Pest., Metals (16oz GW None)	TOC (4oz plastic)	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
GB-16	5/23/05	1615	G	GB-16-0.5-1.5	SO	4	2	1	1			N1	0.5	1.5	
GB-16	5/23/05	1620	G	GB-16-15-16'	SO	4	2	1	1			N1	15	16	
GB-14	5/23/05	1650	G	GB-14-8.5-9.5 (depths written over corrections)	SO	4	2	1	1			N1	8.5	9.5	
GB-14	5/23/05	1705	G	GB-14-16.5-17.5	SO	4	2	1	1			N1	16.5	17.5	
GB-15	5/24/05	1000	G	GB-15-2-3	SO	4	2	1	1			N1	2	3	
GB-15	5/24/05	1040	G	GB-15-3-4	SO	1				1		N1	3	4	
GB-15	5/24/05	1050	G	GB-15-18-19	SO	4	2	1	1			N1	18	19	
GB-12	5/24/05	1150	G	GB-12-3-4	SO	4	2	1	1			N1	3	4	
GB-12	5/24/05	1200	G	GB-12 17.5-18.5	SO	4	2	1	1			N1	17.5	18.5	
GB-11	5/24/05	1342	G	GB-11-16-17'	SO	4	2	1	1			N1	16	17	
GB-31	5/24/05	1430	G	GB-31-9.5-10.5	SO	4	2	1	1			N1	9.5	10.5	
GB-32	5/24/05	1610	G	GB-32-4-5'	SO	4	2	1	1			N1	4	5	
GB-33	5/24/05	1640	G	GB-33-3-4'	SO	4	2	1	1			N1	3	4	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R. Murphy	5/24/05	1815	[signature] STL	5-24-05	18:15

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions Call Jim Lehmen or AnneMarie Kropovitch @ 856-5636.

SAMPLES ON ICE

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

2.0°C

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CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11739.73.84300 | SITE NAME NYSEG-LOCKPORT

SAMPLERS (PRINT/SIGNATURE) ROBERT MURPHY / R. Murphy

DELIVERY SERVICE: Hand-Off AIRBILL NO.:

LAB STL-BUFFALO

COOLER 1 of 2

PAGE 1 of

TESTS: VOAs | Total Cyanide | SVOAs, PCBs, Metals, Phenols | TOC

BOTTLE TYPE AND PRESERVATIVE: 2oz GW unpres | 2oz GW HNO3 | 16oz GW HNO3 | 2oz GW

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	2oz GW unpres	2oz GW HNO3	16oz GW HNO3	2oz GW	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
GB-27	5/25/05	0855	G	GB-27-7.0-8.0	SO	4	2	1	1			N	7	8	
GB-27	5/25/05	~~0900~~ 0855	G	GB-27-11-12	SO	4	2	1	1			N	11	12	
GB-02	5/25/05	0945	G	GB-02-9-10	SO	4	2	1	1			N	9	10	
DUP-01	5/25/05	-	G	DUP-01	SO	4	2	1	1			FR	-	-	
GB-01	5/25/05	1030	G	GB-01-8.4-9.4	SO	4	2	1	1			N	8.4	9.4	
GB-40	5/25/05	~~1025~~ 1050	G	GB-40-9.8-10.8	SO	4	2	1	1			N	9.8	10.8	
GB-41	5/25/05	1220	G	GB-41-9.5-10.5	SO	4	2	1	1			N	9.5	10.5	
GB-26	5/25/05	1455	G	GB-26-9.5-10.75	SO	4	2	1	1			N	9.5	10.75	
GB-26	5/25/05	1500	G	GB-26-8.5-9.5	SO	1				1		N	8.5	9.5	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Robert Murphy	5/26/05	755	Bell STL BUFFALO	5/26/05	1753
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any questions call Jim Lehrmann or Anne Markekropovitch 856-5636

Samples on Ice

5.0°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

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GC Extractable Data

For method 8082, the recovery of surrogate Decachlorobiphenyl in samples GB-26-9.5-10.75 and GB-31-9.5-10.5 is outside of established quality control limits due to the sample matrix. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

For method 8082, several calibration verifications demonstrated a decreased instrument response, >15% difference, for the surrogate Decachlorobiphenyl. The theoretical consequence of this would be a low bias in the calculated surrogate recoveries. The associated sample surrogate recoveries are within the quality control limits with the exceptions previously noted. In the technical judgement of the laboratory, the sample data has not been impacted and no corrective action is required.

Metals Data

The recovery of sample GB-16-0.5-1.5 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Zinc and below the quality control limits for Antimony, Barium(MSD), Beryllium(MSD), Chromium(MSD), Copper(MS), Potassium, Selenium(MSD), Silver(MSD), Mercury(MS), and Vanadium(MSD). The recovery of sample GB-01-8.4-9.4 Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Antimony, Arsenic(MSD), Chromium(MSD), Cobalt(MSD), Copper(MSD), Lead, Nickel, Potassium, Selenium(MSD), Sodium, Vanadium, and Zinc. Sample matrix is suspect. The RPD of sample GB-16-0.5-1.5 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Copper. However, the LCS's (A5B0775301, A5B0790401, and A5B0785201) were acceptable.

The recovery of sample GB-16-0.5-1.5 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Calcium(MS) and Manganese(MS) and below the quality control limits for Iron and Calcium(MSD). The recovery of sample GB-01-8.4-9.4 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Calcium and Manganese and below the quality control limits for Aluminum, Barium, and Iron. The sample result is more than four times greater than the spike added. The RPD of sample GB-01-8.4-9.4 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Calcium and Manganese. The LCS's (A5B0775301 and A5B0785201) were acceptable.

The relative percent difference between sample GB-16-0.5-1.5 Matrix Spike and the Matrix Spike Duplicate exceed quality control criteria for Cobalt and Nickel, though all individual recoveries are compliant. No action required.

The Post Spike of sample GB-01-8.4-9.4 exhibited results below the quality control limits for Calcium, Iron, and Manganese. However, the LCS (A5B0785201) was acceptable.

The Serial Dilution of sample GB-01-8.4-9.4 exceeded quality control limits for Aluminum, Barium, Calcium, Iron, Magnesium and Manganese. However, the LCS (A5B0785201) was acceptable.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Revision Comments

The Form 5As and Form 6s for the Metals Spikes and Duplicates were manually edited to provide the actual concentrations for anlaytes previously reported as non-detect. Due to this manual edit, it was noted that the RPD for the duplicate analysis of Antimony fell above quality control limits, therefore all Form 1s have also been edited to include the asterisk (*) qualifier for Antimony.

****

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK35F

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK1

Lab File ID: F8583.RR Lab Sample ID: A5B0811002

Date Analyzed: 05/27/2005 Time Analyzed: 23:51

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GB-15-2-3 ✓	A5528305	F8588.RR	07:28
2	GB-31-9.5-10.5	A5528310	F8587.RR	06:55
3	MSB35F	A5B0811001	F8586.RR	01:30

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK35F

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK1

Matrix: (soil/water) SOIL Lab Sample ID: A5B0811002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8583.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 05/27/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK38F

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK1

Lab File ID: F8617.RR Lab Sample ID: A5B0824802

Date Analyzed: 06/01/2005 Time Analyzed: 11:09

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GB-27-7.8-8.0 DL	A5535601DL	F8633.RR	19:54
2	MSB38F	A5B0824801	F8615.RR	10:14

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK38F

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK1

Matrix: (soil/water) SOIL Lab Sample ID: A5B0824802

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8617.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	

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METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.

VBLK40F

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK1

Lab File ID: F8653.RR Lab Sample ID: A5B0839802

Date Analyzed: 06/03/2005 Time Analyzed: 09:30

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GB-27-11-12	A5535602	F8655.RR	10:37
2	MSB40F	A5B0839801	F8652.RR	08:57

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK40F

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK1

Matrix: (soil/water) SOIL Lab Sample ID: A5B0839802

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8653.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/03/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: _____ Lab Samp ID: A5528301

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK1

Matrix Spike - Client Sample No.: GB-16-0.5-1.5 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC.
Phenol	3927	0	2476	63	35 - 120
2-Chlorophenol	3927	0	2636	67	34 - 118
N-Nitroso-Di-n-propyl(1)	3927	0	3116	79	52 - 120
4-Chloro-3-methylphenol	3927	0	2972	76	45 - 135
Acenaphthene	3927	22171	33494	288 *	57 - 120
4-Nitrophenol	3927	0	5812	148 *	42 - 137
2,4-Dinitrotoluene	3927	0	18238	464 *	51 - 126
Pentachlorophenol	3927	0	0	0 *	37 - 143
Pyrene	3927	109756	147219	954 *	56 - 155

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3927	2306	59	6	25	35 - 120
2-Chlorophenol	3927	2685	68	1	26	34 - 118
N-Nitroso-Di-n-propyl(1)	3927	2749	70	12	20	52 - 120
4-Chloro-3-methylphenol	3927	3170	81	6	20	45 - 135
Acenaphthene	3927	48693	675 *	80 *	16	57 - 120
4-Nitrophenol	3927	3149	80	60 *	25	42 - 137
2,4-Dinitrotoluene	3927	22125	563 *	19	19	51 - 126
Pentachlorophenol	3927	0	0 *	0	27	37 - 143
Pyrene	3927	169981	1530 *	46 *	25	56 - 155

(1) N-Nitroso-Di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

7/22/05 DR

RPD: 3 out of 9 outside limits
Spike recovery: 9 out of 18 outside limits

Comments: _____

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-16-0.5-1.5\MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: LOCK1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 83.4

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
Aluminum	75 - 125	3362.4880		2344.5210		1143.85	89.0		P
Antimony	75 - 125	17.1577	U	17.1577	U	22.88	65.7	N	P
Arsenic	75 - 125	19.0760		2.2877	U	22.88	83.4		P
Barium	75 - 125	33.6760		14.8857		22.88	82.1		P
Beryllium	75 - 125	18.0339		0.2288	U	22.88	78.8		P
Cadmium	75 - 125	17.9641		0.2288	U	22.88	78.5		P
Calcium		17536.6309		15373.8203		1143.85	189.1		P
Chromium	75 - 125	21.7068		3.5534		22.88	79.3		P
Cobalt	75 - 125	31.5691		7.1782		22.88	106.6		P
Copper	75 - 125	27.6628		10.5830		22.88	74.6	N	P
Iron		6187.1919		5471.7651		1143.85	62.5		P
Lead	75 - 125	40.5895		15.5529		22.88	109.4		P
Magnesium	75 - 125	4686.4028		3390.9890		1143.85	113.3		P
Manganese		190.9792		159.7779		22.88	136.4		P
Nickel	75 - 125	41.0950		13.7964		22.88	119.3		P
Potassium	75 - 125	1398.6230		548.6295		1143.85	74.3	N	P
Selenium	75 - 125	19.1286		4.5754	U	22.88	83.6		P
Silver	75 - 125	4.4953		0.5719	U	5.72	78.6		P
Mercury	75 - 125	0.3395		0.0548		0.39	73.0	N	CV
Sodium	75 - 125	991.2798		160.1388	U	1143.85	86.7		P
Thallium	75 - 125	17.8292		6.8631	U	22.88	77.9		P
Vanadium	75 - 125	24.9245		6.3042		22.88	81.4		P
Zinc	75 - 125	87.9505		59.0695		22.88	126.2	N	P

7/22/05 M

Comments: _____

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-16-0.5-1.5\SD

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: LOCK1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 83.4

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
Aluminum	75 - 125	3314.1880		2344.5210		1159.34	83.6		P
Antimony	75 - 125	17.3900	U	17.3900	U	23.19	58.9	N	P
Arsenic	75 - 125	18.3279		2.3187	U	23.19	79.0		P
Barium	75 - 125	31.6012		14.8857		23.19	72.1	N	P
Beryllium	75 - 125	17.2138		0.2319	U	23.19	74.2	N	P
Cadmium	75 - 125	17.4109		0.2319	U	23.19	75.1		P
Calcium		15996.1699		15373.8203		1159.34	53.7		P
Chromium	75 - 125	20.6084		3.5534		23.19	73.5	N	P
Cobalt	75 - 125	25.1912		7.1782		23.19	77.7		P
Copper	75 - 125	35.7423		10.5830		23.19	108.5		P
Iron		5824.6719		5471.7651		1159.34	30.4		P
Lead	75 - 125	48.3118		15.5529		23.19	141.3	N	P
Magnesium		4443.8711		3390.9890		1159.34	90.8		P
Manganese		179.2009		159.7779		23.19	83.8		P
Nickel	75 - 125	32.3455		13.7964		23.19	80.0		P
Potassium	75 - 125	1358.5380		548.6295		1159.34	69.9	N	P
Selenium	75 - 125	17.1431		4.6373	U	23.19	73.9	N	P
Silver	75 - 125	4.3081		0.5797	U	5.80	74.3	N	P
Mercury	75 - 125	0.3754		0.0548		0.34	94.3		CV
Sodium	75 - 125	945.1683		162.3070	U	1159.34	81.5		P
Thallium	75 - 125	17.4039		6.9560	U	23.19	75.0		P
Vanadium	75 - 125	23.4476		6.3042		23.19	73.9	N	P
Zinc	75 - 125	91.4264		59.0695		23.19	139.5	N	P

7/22/05 r

Comments: _____

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-01-8.4-9.4\MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: SAS No.: SDG NO.: LOCK1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 83.4

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
Aluminum		7622.1719		9137.1484		1132.63	-133.8		P
Antimony	75 - 125	16.9894	U	16.9894	U	22.65	30.2	N	P
Arsenic	75 - 125	22.2471		4.5126		22.65	78.3		P
Barium		114.8328		129.6483		22.65	-65.4		P
Beryllium	75 - 125	19.6625		0.4666		22.65	84.8		P
Cadmium	75 - 125	19.2117		0.2265	U	22.65	84.8		P
Calcium		38829.0195		16702.4805		1132.63	1953.6		P
Chromium	75 - 125	29.1426		14.1170		22.65	66.3	N	P
Cobalt	75 - 125	26.0935		9.0776		22.65	75.1		P
Copper	75 - 125	25.2837		7.5630		22.65	78.2		P
Iron		13903.6104		19742.8398		1132.63	-515.5		P
Lead	75 - 125	29.2139		14.2685		22.65	66.0	N	P
Magnesium		7344.0962		5983.1348		1132.63	120.2		P
Manganese		613.8322		445.8239		22.65	741.8		P
Nickel	75 - 125	28.1040		14.6650		22.65	59.3	N	P
Potassium	75 - 125	2275.7410		1607.1450		1132.63	59.0	N	P
Selenium	75 - 125	17.8910		4.5305	U	22.65	79.0		P
Silver	75 - 125	4.9235		0.5663	U	5.66	87.0		P
Mercury	75 - 125	0.3318		0.0233		0.35	88.1		CV
Sodium	75 - 125	1666.4570		841.8928		1132.63	72.8	N	P
Thallium	75 - 125	19.0316		6.7958	U	22.65	84.0		P
Vanadium	75 - 125	32.2267		16.3689		22.65	70.0	N	P
Zinc	75 - 125	58.4007		54.8110		22.65	15.8	N	P

7/22/05 JM

Comments:

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-01-8.4-9.4\SD

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: LOCK1

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 83.4

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
Aluminum		8211.2373		9137.1484		1174.83	-78.8		P
Antimony	75 - 125	17.6224	U	17.6224	U	23.50	23.2	N	P
Arsenic	75 - 125	20.9037		4.5126		23.50	69.7	N	P
Barium		131.1717		129.6483		23.50	6.5		P
Beryllium	75 - 125	19.0839		0.4666		23.50	79.2		P
Cadmium	75 - 125	18.7255		0.2350	U	23.50	79.7		P
Calcium		28740.3398		16702.4805		1174.83	1024.6		P
Chromium	75 - 125	29.1756		14.1170		23.50	64.1	N	P
Cobalt	75 - 125	26.5346		9.0776		23.50	74.3	N	P
Copper	75 - 125	24.5609		7.5630		23.50	72.3	N	P
Iron		14219.5898		19742.8398		1174.83	-470.1		P
Lead	75 - 125	30.7875		14.2685		23.50	70.3	N	P
Magnesium		6889.1621		5983.1348		1174.83	77.1		P
Manganese		1085.1390		445.8239		23.50	2720.5		P
Nickel	75 - 125	29.1980		14.6650		23.50	61.8	N	P
Potassium	75 - 125	2260.4390		1607.1450		1174.83	55.6	N	P
Selenium	75 - 125	16.5380		4.6993	U	23.50	70.4	N	P
Silver	75 - 125	4.7674		0.5874	U	5.87	81.2		P
Mercury	75 - 125	0.3690		0.0233		0.43	80.4		CV
Sodium	75 - 125	1710.8650		841.8928		1174.83	74.0	N	P
Thallium	75 - 125	18.2556		7.0490	U	23.50	77.7		P
Vanadium	75 - 125	31.3021		16.3689		23.50	63.5	N	P
Zinc	75 - 125	63.7531		54.8110		23.50	38.1	N	P

7/22/05

Comments: _____

U R S Corporation

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

GB-01-8.4-9.4L

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: LOCK1

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	82044.46		95626.65		16.6	E	P
Antimony	150.00	U	750.00	U			P
Arsenic	40.52		100.00	U	100.0		P
Barium	1164.14		1368.05		17.5	E	P
Beryllium	4.19		10.00	U	100.0		P
Cadmium	2.00	U	10.00	U			P
Calcium	149975.20		176495.59		17.7	E	P
Chromium	126.76		152.25		20.1		P
Cobalt	81.51		97.35		19.4		P
Copper	67.91		83.40		22.8		P
Iron	177275.30		212725.91		20.0	E	P
Lead	128.12		147.50		15.1		P
Magnesium	53723.88		63399.25		18.0	E	P
Manganese	4003.15		4793.05		19.7	E	P
Nickel	131.68		161.25		22.5		P
Potassium	14430.91		16152.15		11.9		P
Selenium	40.00	U	200.00	U			P
Silver	5.00	U	25.00	U			P
Sodium	7559.54		9979.10		32.0		P
Thallium	60.00	U	300.00	U			P
Vanadium	146.98		174.20		18.5		P
Zinc	492.16		595.45		21.0		P

7/22/05

Comments: _____

NON-CONFORMANCE SUMMARY

Job#: A05-5300,A05-5355

STL Project#: NY5A9403
SDG#: CNLKP1
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-5300
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A05-5355
Sample Cooler(s) were received at the following temperature(s); 4.8 °C
All samples were received in good condition.

Wet Chemistry Data

The recovery of sample GB-16-0.5-1.5 Matrix Spike exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable.

Revision Comments

This report was revised to correct the Cyanide data. Results for detected concentrations and reporting limits have been adjusted for sample weight and moisture content.

****

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5530010	GB-11-16-17	SOIL	05/24/2005	13:42	05/24/2005	18:15
A5530009	GB-12-17.5-18.5	SOIL	05/24/2005	12:00	05/24/2005	18:15
A5530008	GB-12-3-4	SOIL	05/24/2005	11:50	05/24/2005	18:15
A5530004	GB-14-16.5-17.5	SOIL	05/23/2005	17:05	05/24/2005	18:15
A5530003	GB-14-8.5-9.5	SOIL	05/23/2005	16:50	05/24/2005	18:15
A5530007	GB-15-18-19	SOIL	05/24/2005	10:50	05/24/2005	18:15
A5530005	GB-15-2-3	SOIL	05/24/2005	10:00	05/24/2005	18:15
A5530001	GB-16-0.5-1.5	SOIL	05/23/2005	16:15	05/24/2005	18:15
A5530001MS	GB-16-0.5-1.5	SOIL	05/23/2005	16:15	05/24/2005	18:15
A5530001SD	GB-16-0.5-1.5	SOIL	05/23/2005	16:15	05/24/2005	18:15
A5530002	GB-16-15-16	SOIL	05/23/2005	16:20	05/24/2005	18:15
A5530011	GB-31-9.5-10.5	SOIL	05/24/2005	14:30	05/24/2005	18:15
A5530012	GB-32-4-5	SOIL	05/24/2005	16:10	05/24/2005	18:15
A5530013	GB-33-3-4	SOIL	05/24/2005	16:40	05/24/2005	18:15
A5535501	RB-01	WATER	05/25/2005	15:30	05/26/2005	07:55

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG-LOCKPORT

SAMPLERS (PRINT/SIGNATURE) ROB MURPHY / [signature]

DELIVERY SERVICE: Drop off AIRBILL NO.: ——

LAB STL-BUFFALO

COOLER 1 of ____

PAGE 1 of ____

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO./# OF CONTAINERS	TESTS: TCL VOAs BOTTLE TYPE AND PRESERVATIVE: 2oz GW None	TESTS: Total Cyanide BOTTLE TYPE AND PRESERVATIVE: 2oz GW None	TESTS: TCL SVOAs PCBs, Total Pesticides, Metals BOTTLE TYPE AND PRESERVATIVE: 16oz GW None	TESTS: TOC BOTTLE TYPE AND PRESERVATIVE: 4oz Plastic					REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
GB-16	5/23/05	1615	G	GB-16-0.5-1.5	SO	4	2	1	1						MISSI [illegible]	N1	0.5	1.5	
GB-16	5/23/05	1620	G	GB-16-15-16'	SO	4	2	1	1						[illegible]	N1	15	16	
GB-14	5/23/05	1650	G	GB-14-8.5-9.5	SO	4	2	1	1						5-25 [initials]	N1	8.5	9.5	
GB-14	5/23/05	1705	G	GB-14-16.5-17.5	SO	4	2	1	1							N1	16.5	17.5	
GB-15	5/24/05	1000	G	GB-15-2-3	SO	4	2	1	1							N1	2	3	
GB-15	5/24/05	1040	G	GB-15-3-4	SO	1				1						N1	3	4	
GB-15	5/24/05	1050	G	GB-15-18-19	SO	4	2	1	1							N1	18	19	
GB-12	5/24/05	1150	G	GB-12-3-4	SO	4	2	1	1							N1	3	4	
GB-12	5/24/05	1200	G	GB-12 17.5-18.5	SO	4	2	1	1							N1	17.5	18.5	
GB-11	5/24/05	1342	G	GB-11-16-17'	SO	4	2	1	1							N1	16	17	
GB-31	5/24/05	1430	G	GB-31-9.5-10.5	SO	4	2	1	1							N1	9.5	10.5	
GB-32	5/24/05	1610	G	GB-32-4-5'	SO	4	2	1	1							N1	4	5	
GB-33	5/24/05	1640	G	GB-33-3-4'	SO	4	2	1	1							N1	3	4	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	5/24/05	1815	[signature] STL	5-24-05	18:15

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS Any Questions Call Jim Lehmen or AnneMarie Kropovitch @ 856-5636.

SAMPLES ON ICE

Distribution: Original accompanies shipment; copy to coordinator field files

URSF-075C/1 OF 1/CoCR/GCM

2.0°C

46\99

CHAIN OF CUSTODY RECORD

URS

PROJECT NO.	SITE NAME
11739738.84300	NYSEG-LOCKPORT

SAMPLERS (PRINT/SIGNATURE): Rob MURPHY / R. [signature]

DELIVERY SERVICE: DROP-OFF AIRBILL NO.: —

LAB STL-BUFFALO
COOLER 1 of 1
PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: VOAs	SVOAs	PCBs	Phenols	Metals	Cyanide	BOTTLE TYPE AND PRESERVATIVE: 40ml vial HCl	1 L Amber	1 L Amber	8oz Amber H2SO4	K 8oz plastic HNO3	8oz plastic NAOH	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
RB-01	5/25/05	1530	G	RB-01	WQ	9							2	2	2	1	1	1		RB	—	—	

MATRIX CODES
AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES
TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Robert [signature]	5/26/05	0755	[signature] STL BUFFALO	5/26/05	0755
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS
Any questions contact Jim Lehner
or Anne Marie Kropovitch
856-5636
SAMPLES DELIVERED ON ICE

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

4.8°C

47799

Date : 06/02/2005 11:57:41

SAMPLE DATE 05/23/2005

Rept: AN0364

SDG: CNLKP1

Client Sample ID: GB-16-0.5-1.5 GB-16-0.5-1.5 GB-16-0.5-1.5

Lab Sample ID: A5530001 A5530001MS A5530001SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS METHOD 9012 - TOTAL CYANIDE	UG/G	1.26	10.39	12.59	11.60	11.90	79 *	95	87	18 *	15.0	85-115

8/12/05 n

71199

* Indicates Result is outside QC Limits

NC = Not Calculated ND = Not Detected

STL Buffalo

NON-CONFORMANCE SUMMARY

Job#: A05-5354

STL Project#: NY5A9403
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-5354
Sample Cooler(s) were received at the following temperature(s); 4.8 °C
All samples were received in good condition.

GC/MS Volatile Data

Sample RB-01 was preserved to a PH less than 2.

Initial calibration standard curve A5I0001613-1 exhibited the %RSD of the compounds Acetone and 1,2-Dibromo-3-chloropropane as greater than 15%. However, the mean RSD of all compounds is 6.45%.

GC/MS Semivolatile Data

Linear regression was used to calibrate analytes Hexachlorocyclopentadiene and Pentachlorophenol that were greater than 15% RSD in the initial calibration A5I0001606.

The analyte Bis(2-ethylhexyl) phthalate was detected in the Method Blank A5B0786502 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

HAIN OF CUSTODY RECORD

URS

ECT NO.	SITE NAME
23973.84300	NYSEG-LOCKPORT

LAB STL-BUFFALO
COOLER 1 of 1
PAGE 1 of 1

LERS (PRINT/SIGNATURE)
OB MURPHY / R. [signature]

ERY SERVICE: DROP-OFF AIRBILL NO.: —

TION IFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: VOAs	SVOAs	PCBs	Phenols	Metals	Cyanide			BOTTLE TYPE AND PRESERVATIVE: 40ml vial HCl	1 L Amber	1 L Amber	8oz Amber H2SO4	8oz plastic HNO3	8oz plastic NaOH			REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (EXPIMS)
-01	5/25/05	1530	G	RB-01	WQ	9	2	2	2	1	1	1												RB	1	—	

TRIX DES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

ERLES CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

QUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature] / [signature]	5/26	0755	[signature] STL-BUFFALO	5/26/05	0755
QUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS
Any Questions contact Jim Lehrer
or Anne Marie Kropovitch
856-5636
SAMPLES DELIVERED ON ICE

ution: Original accompanies shipment, copy to coordinator field files

/1 OF 1/CofCR/GCM

4/12

65615

STL REPORT NUMBERS A05-5402 AND A05-5403

NON-CONFORMANCE SUMMARY

Job#: A05-5402

STL Project#: NY5A9403
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-5402
Sample Cooler(s) were received at the following temperature(s); 2@4.6 °C
All samples were received in good condition.

Revision Comments

Wet Chemistry Data (Revision)

This report was revised to correct the Cyanide data. Results for detected concentrations and reporting limits have been adjusted for sample weight and moisture content.

****

CHAIN OF COUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG Lockport

SAMPLERS (PRINT/SIGNATURE) Rob Murphy / [signature] Andy Blaymen / [signature]

DELIVERY SERVICE: Drop-Off AIRBILL NO.: —

LAB STL Buffalo

COOLER 1 of 1

PAGE 1 of 2

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS	VOAs (2oz GW none)	Total cyanide (2oz GW none)	SVOAs, PCB, Metals, Phenols (16oz GW none)	TOC (2oz GW none)					REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (SRPINS)
GB-29	5/26/05	0915	G	GB-29-13'-14'	SO	4	2	1	1	–						N	13	14	
GB-29	5/26/05	0920	G	GB-29-12'-13'	SO	1	–	–	–	1						N	12	13	
GB-30	5/26/05	0945	G	GB-30-13.6'-14.6'	SO	4	2	1	1	–						N	13.6	14.6	
GB-30	5/26/05	0945	G	GB-30-13.6'-14.6' MS	SO	1	1	–	–	–						MS	13.6	14.6	
GB-30	5/26/05	0945	G	GB-30-13.6'-14.6' MSD	SO	1	1	–	–	–						MSD	13.6	14.6	
GB-30	5/26/05	0945	G	GB-30-13.6'-14.6' MS/MSD	SO	2	–	1	1	–					MS/	SD	13.6	14.6	
GB-30	5/26/05	0950	G	GB-30-12.5'-13.5'	SO	1	–	–	–	1						N	12.5	13.5	
GB-30	5/26/05	0950	G	GB-30-12.5'-13.5' MS/MSD	SO	1	–	–	–	1					MS/	SD	12.5	13.5	
GB-10	5/26/05	1125	G	GB-10-12.6'-13.6'	SO	4	2	1	1	–						N	12.6	13.6	
GB-10	5/26/05	1130	G	GB-10-9.5'-10.5'	SO	4	2	1	1	–						N	9.5	10.5	
GB-10	5/26/05	1135	G	GB-10-6.0'-6.2'	SO	1	–	1	–	–						N	6	6.2	
GB-13	5/26/05	1225	G	GB-13-7'-8'	SO	4	2	1	1	–						N	7	8	
GB-13	5/26/05	1235	G	GB-13-17.8'-18.8'	SO	4	2	1	1	–						N	17.8	18.8	

MATRIX CODES
AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES
TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R Murphy	5/27/05	7:15	C Bell STL Buffalo	5/27/05	0745
RELINQUISHED BY (SIGNATURE)	**DATE**	**TIME**	**RECEIVED FOR LAB BY (SIGNATURE)**	**DATE**	**TIME**

SPECIAL INSTRUCTIONS
Any Questions Contact AnneMarie Kropitcher or Jim Lehnen. 856-5636

* Samples on Ice *

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CoCR/GCM

20.4.6

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300 | SITE NAME NYSEG Lockport

SAMPLERS (PRINT/SIGNATURE) Rob Murphy/ Andy Brayman/

DELIVERY SERVICE: Drop off | AIRBILL NO.: —

LAB STL Buffalo

COOLER 1 of 1

PAGE 2 of 2

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: VOAs	Total cyanide	SVOAs, RCRA Metals, phenols	TOC	TOC				REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.? (LEAVE BLANK)
				BOTTLE TYPE AND PRESERVATIVE			2oz GW none	2oz GW none	16oz GW none	2oz GW none	40z GW none								
GB-13	5/26/05	1245	G	GB-13-16'-17'	SO	1	-	-	-	1	-					N	16	17	
FieldQC	5/26/05	—	G	Dup-02	SO	1	-	-	-	1	-					FR	-	-	
GB-08	5/26/05	1425	G	GB-08-12'-14'	SO	4	2	1	1	-	-					N	12	14	
GB-08	5/26/05	1430	G	GB-08-15'-16'	SO	4	2	1	1	-	-					N	15	16	
GB-07	5/26/05	1520	G	GB-07-5.5'-6.5'	SO	4	2	1	1	-	-					N	5.5	6.5	
GB-07	5/26/05	1523	G	GB-07-12.5'-13.5'	SO	4	2	1	1	-	-					N	12.5	13.5	
GB-06	5/26/05	1600	G	GB-06-8.5'-10.5'	SO	4	2	1	1	-	-					N	9.5	10.5	
GB-06	5/26/05	1608	G	GB-06-7'-8'	SO	4	2	1	1	-	-					N	7	8	
FieldQC	5/26/05	—	G	Dup-03	SO	4	2	1	1	-	-					FR	-	-	
GB-05	5/26/05	1717	G	GB-05-9'-10'	SO	4	2	1	1	-	-					N	9	10	
GB-05	5/26/05	1720	G	GB-05-6'-8'	SO	4	2	1	1	-	-					N	6	8	
GB-04	5/26/05	1745	G	GB-04-5.2'-7.2'	SO	4	2	1	1	-	-					N	5.2	7.2	
GB-04	5/26/05	1750	G	GB-04-3-4'	SO	1	-	-	-	-	1					N	3	4	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/27/05	0705	USell STL BUFFALO	5/27/05	0745
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any questions contact Dawnmarie Kropath or Jim Lohmen @ 856-5636

* SAMPLER OFFICER

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

2@4.6

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG Lockport

SAMPLERS (PRINT/SIGNATURE) Rob Murphy

DELIVERY SERVICE: Drop off AIRBILL NO.: —

LAB STL - Buffalo

COOLER 1 of 1

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: VOAs	SVOAs	PCBs	Plends Metals	Cyanide			REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IF APPLIES)
							BOTTLE TYPE AND PRESERVATIVE: 40ml vial HCl	1 L Amber	1/2 Amber	8oz Amber Unpres	16oz Plastic HNO3	8oz Plastic NaOH						
RB02	5/26/05	1820	G	RB-02	WQ	9	2	2	2	1	1	1			RB	1	1	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/27/05	0745	STL Buffalo	5/27/05	0745
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions Contact John Lehmann or Anne Marie Krapenthin @ 856-563 6

** SAMPLES ON ICE **

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

4.8

46/88

NON-CONFORMANCE SUMMARY

Job#: A05-5403

STL Project#: NY5A9403
SDG#: LOCK2
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-5403
Sample Cooler(s) were received at the following temperature(s); 2@4.6 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte Methylene Chloride was detected in VBLK39 (A5B0838304), VBLK40 (A5B0839802), and VBLK41 (A5B0845402) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analytes Methylene Chloride and Chloromethane were detected in VBLK42 (A5B084504) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Bromomethane was detected in VBLK48 (A5B0875902) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Methylene Chloride was detected in the VBLk48 (A5B0875902) at a level above the project established reporting limit. The associated sample had levels of Methylene Chloride less than ten times that of the Method Blank value. The detection for Methylene Chloride in this sample may potentially be due to laboratory contamination and should be evaluated accordingly. All associated sample detections were qualified with a "B".

All aqueous, field generated, Quality Control samples were associated with soil samples. Therefore, all aqueous samples were analyzed as soils and evaluated using soil Quality Control Limits.

Samples GB-05-6'-8' DL, GB-05-9'-10' DL and GB-07-12.5'-13.5' were analyzed using medium level techniques due to high concentrations of target analytes.

The analyte Bromomethane was detected in Method Blank VBLK42 (A5B0845404) at a level above the project established reporting limit. The associated samples had levels of Bromomethane less than ten times that of the Method Blank value. All sample detections for Bromomethane in these samples may potentially be due to laboratory contamination and should be evaluated accordingly. All associated sample detections were qualified with a "B".

Initial calibration standard curve A5I0001584-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 11.53%.

Initial calibration standard curve A5I0001619-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.35%.

Initial calibration standard curve A5I0001623-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.66%.

Initial calibration standard curve A5I0001624-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.84%.

Sample RB-02 was preserved to a PH less than 2.

GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl) phthalate was detected in the Method Blank A5B0802102 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The surrogate recovery for 2,4,6-Tribromophenol was diluted out of sample GB-05-6'-8' DL.

GC Extractable Data

For method 8082, the recovery of surrogate Tetrachloro-m-xylene in sample GB-05-6'-8' is outside of established quality control limits due to the sample matrix. The recovery of surrogate Decachlorobiphenyl is within quality control criteria; no corrective action is required.

Metals Data

The recovery of sample GB-30-13.6'-14.6' Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Aluminum, Antimony, Barium(MS), Beryllium, Cadmium(MS), Chromium, Cobalt, Copper, Lead, Magnesium, Nickel, Potassium, Selenium, Silver(MS), Sodium(MS), Thallium(MS), Vanadium, and Zinc. Sample matrix is suspect. However, the LCS (A5B0796301) was acceptable.

The recovery of sample GB-30-13.6'-14.6' Matrix Spike exhibited results above the quality control limits for Calcium and Manganese and below the quality control limits for Iron. The recovery of sample GB-30-13.6'-14.6' Matrix Spike Duplicate exhibited results below the quality control limits for Iron and Calcium. The sample result is more than four times greater than the spike added. The LCS (A5B0796301) was acceptable.

The Serial Dilution of sample GB-30-13.6'-14.6' exceeded quality control limits for Aluminum and Iron. However, the LCS (A5B0796301) was acceptable.

Wet Chemistry Data

The LCS, ERA Lot P114502, recovery for Total Recoverable Phenolics fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

The recovery of sample GB-30-13.6'-14.6' Matrix Spike exhibited results above the quality control limits for Calcium and Manganese and below the quality control limits for Iron. The recovery of sample GB-30-13.6'-14.6' Matrix Spike Duplicate exhibited results below the quality control limits for Iron and Calcium. The sample result is more than four times greater than the spike added. The LCS (A5B0796301) was acceptable.

The Serial Dilution of sample GB-30-13.6'-14.6' exceeded quality control limits for Aluminum and Iron. However, the LCS (A5B0796301) was acceptable.

Wet Chemistry Data

The LCS, ERA Lot P114502, recovery for Total Recoverable Phenolics fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

Revision Comments

The Form 5As and Form 6s for the Metals Spikes and Duplicates were manually edited to provide the actual concentrations for the analytes previously reported as non-detect.

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CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG LOCKPORT

SAMPLERS (PRINT/SIGNATURE) ROB MURPHY

DELIVERY SERVICE: Drop off AIRBILL NO.: —

LAB STL - BUFFALO

COOLER 1 of 1

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: VOAs	SVOAs	PCBs	Phenols	Metals	Cyanide			BOTTLE TYPE AND PRESERVATIVE: 40ml vial HCl	1L Amber	1/2 Amber	80z Amber H2SO4	80z plastic HNO3	80z plastic NaOH			REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
RB02	5/26/05	1820	G	RB-02	WQ	9									2	2	2	1	1	1				SB	1	1	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/27/05	0745	URell STL BUFFALO	5/27/05	0745
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions Contact Jim Lehmann or Anne Marie Krogewitch @ 856-563 C

All SAMPLES ON ICE

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

4.8

334/2984

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG Lockport

SAMPLERS (PRINT/SIGNATURE) Rob Murray / Andy Braymer / Andy Bray

LAB STL Buffalo

COOLER 1 of 1

PAGE 1 of 2

DELIVERY SERVICE: Drop-off AIRBILL NO.: —

TESTS / BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	VOAs 2 x 5g w/ MeOH	Total Cyanide 2 x 40 mL w/ NaOH	SVOAs, PCBs, Metals, Phenols 1 x 2 x 60 mL w/ NaOH	TOC 2 x 40 mL w/ none					REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
GB-29	5/26/05	0915	G	GB-29-13'-14'	SO	4	2	1	1	1						N	13	14	
GB-29	5/26/05	0920	G	GB-29-12'-13'	SO	1	—	—	—	1						N	12	13	
GB-30	5/26/05	0945	G	GB-30-13.6'-14.6'	SO	4	2	1	1	1						N	13.6	14.6	
GB-30	5/26/05	0945	G	GB-30-13.6'-14.6' MS	SO	1 (ADD)	1	—	—	—						MS	13.6	14.6	
GB-30	5/26/05	0945	G	GB-30-13.6'-14.6' MSD	SO	1	1	—	—	—						MSD	13.6	14.6	
GB-30	5/26/05	0945	G	GB-30-13.6'-14.6' MS/MSD	SO	2	—	1	1	—						MS, MSD	13.6	14.6	
GB-30	5/26/05	0950	G	GB-30-12.5'-13.5'	SO	1	—	—	—	1						N	12.5	13.5	
GB-30	5/26/05	0950	G	GB-30-12.5'-13.5' MS/MSD	SO	1	—	—	—	1						MS, MSD	12.5	13.5	
GB-10	5/26/05	1125	G	GB-10-12.6'-13.6'	SO	4	2	1	1	—						N	12.6	13.6	
GB-10	5/26/05	1130	G	GB-10-9.5'-10.5'	SO	4	2	1	1	—						N	9.5	10.5	
GB-10	5/26/05	1135	G	GB-10-6.0'-6.2'	SO	1	—	1	—	—						N	6	6.2	
GB-13	5/26/05	1225	G	GB-13-7'-8'	SO	4	2	1	1	—						N	7	8	
GB-13	5/26/05	1235	G	GB-13-17.8'-18.8'	SO	4	2	1	1	—						N	17.8	18.8	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R. Murray	5/27/05	745	UBell STL BUFFALO	5/27/05	0745
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions Contact Anne Marie Kopitcher Jim LEHNEN. 856-563-6

* Samples on Ice *

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

20 4.6

335/2984

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300 | SITE NAME NYSEG Lockport

SAMPLERS (PRINT/SIGNATURE) Rob Murphy / Andy Brayman

DELIVERY SERVICE: Drop off | AIRBILL NO.: —

LAB STL Buffalo

COOLER 1 of 1

PAGE 2 of 2

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: VOAs	Total Cyanide	SVOAs, RCRA Metals, Phenols	TOC	TOC	BOTTLE TYPE AND PRESERVATIVE: 2oz. 6W None	2oz 6W Acid	16oz 6W None	2oz 6W Acid	40z 6W None	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (CERTAINS)
GB-13	5/26/05	1245	G	GB-13-16'-17'	SO	1	1	1	1	1	1							N	16	17	
Field QC	5/26/05	—	G	Dup-02	SO	1	1	1	1	1	1							FR	-	-	
GB-08	5/26/05	1425	G	GB-08-12'-14'	SO	4	2	1	1	1	1							N	12	14	
GB-08	5/26/05	1430	G	GB-08-15'-16'	SO	4	2	1	1	1	1							N	15	16	
GB-07	5/26/05	1520	G	GB-07-5.5'-6.5'	SO	4	2	1	1	1	1							N	5.5	6.5	
GB-07	5/26/05	1523	G	GB-07-12.5'-13.5'	SO	4	2	1	1	1	1							N	12.5	13.5	
GB-06	5/26/05	1600	G	GB-06-8.5'-10.5'	SO	4	2	1	1	1	1							N	9.5	10.5	
GB-06	5/26/05	1608	G	GB-06-7'-8'	SO	4	2	1	1	1	1							N	7	8	
Field QC	5/26/05	—	G	Dup-03	SO	4	2	1	1	1	1							FR	-	-	
GB-05	5/26/05	1717	G	GB-05-9'-10'	SO	4	2	1	1	1	1							N	9	10	
GB-05	5/26/05	1720	G	GB-05-6'-8'	SO	4	2	1	1	1	1							N	6	8	
GB-04	5/26/05	1745	G	GB-04-5.2'-7.2'	SO	4	2	1	1	1	1							N	5.2	7.2	
GB-04	5/26/05	1750	G	GB-04-3-4'	SO	1	1	1	1	1	1							N	3	4	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/27/05	0705	STL Buffalo	5/27/05	0715
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any questions contact Dan Marte Kropath or Jim Lohmen @ 856-5636

* samples on ice *

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

2C4.6

336/2984

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

352/2984
Client No.

VBLK40

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK2

Lab File ID: F8653.RR Lab Sample ID: A5B0839802

Date Analyzed: 06/03/2005 Time Analyzed: 09:30

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	DUP-03	A5540313	F8668.RR	17:45
2	GB-04-5.2'-7.2'	A5540316	F8671.RR	19:24
3	GB-05-6'-8'	A5540315	F8670.RR	18:51
4	GB-05-9'-10'	A5540314	F8669.RR	18:18
5	GB-06-7'-8'	A5540312	F8667.RR	17:13
6	GB-07-12.5'-13.5'	A5540310	F8665.RR	16:07
7	GB-08-12'-14'	A5540307	F8663.RR	15:01
8	GB-08-15'-16'	A5540308	F8664.RR	15:34
9	GB-10-12.6'-13.6'	A5540303	F8659.RR	12:49
10	GB-10-9.5'-10.5'	A5540304	F8660.RR	13:22
11	GB-13-17.8'-18.8'	A5540306	F8662.RR	14:28
12	GB-13-7'-8'	A5540305	F8661.RR	13:55
13	GB-30-13.6'-14.6'	A5540302	F8656.RR	11:10
14	GB-30-13.6'-14.6'	A5540302MS	F8657.RR	11:43
15	GB-30-13.6'-14.6'	A5540302SD	F8658.RR	12:16
16	MSB40	A5B0839801	F8652.RR	08:57

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

1067/2984

Client No.

VBLK40

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK2

Matrix: (soil/water) SOIL Lab Sample ID: A5B0839802

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8653.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/03/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK41

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK2

Lab File ID: F8684.RR Lab Sample ID: A5B0845402

Date Analyzed: 06/04/2005 Time Analyzed: 11:29

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GB-06-8.5'-10.5'	A5540311	F8688.RR	12:49
2	GB-10-12.6'-13.6' DL	A5540303DL	F8712.RR	20:20
3	GB-10-9.5'-10.5' DL	A5540304DL	F8690.RR	13:25
4	MSB41	A5B0845401	F8686.RR	12:05

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

1076/2984

Client No.

VBLK41

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK2

Matrix: (soil/water) SOIL Lab Sample ID: A5B0845402

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8684.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/04/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

354/2984

Client No.

VBLK42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK2

Lab File ID: F8685.RR Lab Sample ID: A5B0845404

Date Analyzed: 06/04/2005 Time Analyzed: 11:47

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GB-04-5.2'-7.2' DL	A5540316DL	F8693.RR	14:21
2	GB-07-5.5'-6.5'	A5540309	F8691.RR	13:44
3	MSB42	A5B0845403	F8687.RR	12:24

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

1086/2984

Client No.

VBLK42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK2

Matrix: (soil/water) SOIL Lab Sample ID: A5B0845404

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8685.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/04/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	1	J
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

355/2984
Client No.

VBLK48

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK2

Lab File ID: F8747.RR Lab Sample ID: A5B0875902

Date Analyzed: 06/07/2005 Time Analyzed: 11:59

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GB-29-13'-14'	A5540301	F8756.RR	16:25
2	MSB48	A5B0875901	F8741.RR	09:47

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

1098/2984

Client No.

VBLK48

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: LOCK2

Matrix: (soil/water) SOIL Lab Sample ID: A5B0875902

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8747.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/07/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	3	J
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.: GB-30-13.6'-14.6'\MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: LOCK2

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.2

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
Aluminum	75 - 125	3678.5020		3347.3701		1053.23	31.4	N	P
Antimony	75 - 125	15.7984	B	15.7984	U	21.06	56.3	N	P
Arsenic	75 - 125	15.9490		2.1065	U	21.06	75.7		P
Barium	75 - 125	37.1315		22.7476		21.06	68.3	N	P
Beryllium	75 - 125	14.3250		0.2733		21.06	66.7	N	P
Cadmium	75 - 125	14.2207		0.2106	U	21.06	67.5	N	P
Calcium		26297.9707		21020.6797		1053.23	501.1		P
Chromium	75 - 125	17.1223		3.7869		21.06	63.3	N	P
Cobalt	75 - 125	16.7663		2.7252		21.06	66.7	N	P
Copper	75 - 125	20.5864		6.0332		21.06	69.1	N	P
Iron		5447.5020		5457.9951		1053.23	-1.0		P
Lead	75 - 125	15.9574		1.6233		21.06	68.1	N	P
Magnesium	75 - 125	3798.4839		3973.1589		1053.23	-16.6	N	P
Manganese		332.6957		253.8343		21.06	374.5		P
Nickel	75 - 125	18.8507		5.6759		21.06	62.6	N	P
Potassium	75 - 125	1197.0930		654.2603		1053.23	51.5	N	P
Selenium	75 - 125	14.1448		4.2129	U	21.06	67.2	N	P
Silver	75 - 125	3.7453		0.5266	U	5.27	71.1	N	P
Mercury	75 - 125	0.3602		0.0191	U	0.38	94.8		CV
Sodium	75 - 125	774.1330		147.4519	U	1053.23	73.5	N	P
Thallium	75 - 125	14.3239		6.3194	U	21.06	68.0	N	P
Vanadium	75 - 125	19.4563		5.9542		21.06	64.1	N	P
Zinc	75 - 125	30.5857		19.6715		21.06	51.8	N	P

7/27/05 SM

Comments: _____

STL BUFFALO

U R S Corporation

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SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-30-13.6'-14.6'\SD

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: LOCK2

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.2

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
Aluminum	75 - 125	3632.1509		3347.3701		1055.12	27.0	N	P
Antimony	75 - 125	15.8268	U	15.8268	U	21.10	61.9	N	P
Arsenic	75 - 125	17.1616		2.1102	U	21.10	81.3		P
Barium	75 - 125	39.3824		22.7476		21.10	78.8		P
Beryllium	75 - 125	16.0284		0.2733		21.10	74.7	N	P
Cadmium	75 - 125	16.0241		0.2110	U	21.10	75.9		P
Calcium		21786.0293		21020.6797		1055.12	72.5		P
Chromium	75 - 125	19.2602		3.7869		21.10	73.3	N	P
Cobalt	75 - 125	18.3855		2.7252		21.10	74.2	N	P
Copper	75 - 125	20.5643		6.0332		21.10	68.9	N	P
Iron		5849.9668		5457.9951		1055.12	37.1		P
Lead	75 - 125	17.3568		1.6233		21.10	74.6	N	P
Magnesium	75 - 125	4513.6299		3973.1589		1055.12	51.2	N	P
Manganese		279.5282		253.8343		21.10	121.8		P
Nickel	75 - 125	20.9695		5.6759		21.10	72.5	N	P
Potassium	75 - 125	1314.3020		654.2603		1055.12	62.6	N	P
Selenium	75 - 125	15.5641		4.2205	U	21.10	73.8	N	P
Silver	75 - 125	3.9905		0.5276	U	5.28	75.6		P
Mercury	75 - 125	0.3139		0.0168	U	0.34	92.3		CV
Sodium	75 - 125	882.8702		147.7171	U	1055.12	83.7		P
Thallium	75 - 125	16.0210		6.3307	U	21.10	75.9		P
Vanadium	75 - 125	21.7007		5.9542		21.10	74.6	N	P
Zinc	75 - 125	34.9224		19.6715		21.10	72.3	N	P

7/27/05

Comments: _____

U R S Corporation

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ICP SERIAL DILUTIONS

SAMPLE NO.

GB-30-13.6'-14.6'L

Contract: NY04-599

Lab Code: STLBFLO Case No.: SAS No.: SDG NO.: LOCK2

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	26703.74		29577.90		10.8	E	P
Antimony	20.00	U	100.00	U			P
Arsenic	10.00	U	50.00	U			P
Barium	181.47		196.55		8.3		P
Beryllium	2.18		10.00	U	100.0		P
Cadmium	1.00	U	5.00	U			P
Calcium	167693.00		181828.59		8.4		P
Chromium	30.21		35.35		17.0		P
Cobalt	21.74		20.25		6.9		P
Copper	48.13		50.00	U	100.0		P
Iron	43541.31		48244.05		10.8	E	P
Lead	12.95		25.00	U	100.0		P
Magnesium	31695.99		34747.75		9.6		P
Manganese	2024.97		2220.70		9.7		P
Nickel	45.28		50.15		10.8		P
Potassium	5219.38		5625.45		7.8		P
Selenium	15.00	U	75.00	U			P
Silver	3.00	U	15.00	U			P
Sodium	444.94		5000.00	U	100.0		P
Thallium	20.00	U	100.00	U			P
Vanadium	47.50		51.60		8.6		P
Zinc	156.93		164.40		4.8		P

7/27/05

Comments:

STL REPORT NUMBERS A05-5404 AND 5462

NON-CONFORMANCE SUMMARY

Job#: A05-5404,A05-5462,A05-5546

STL Project#: NY5A9403
SDG#: TOC-1
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-5404
Sample Cooler(s) were received at the following temperature(s); 2@4.6 °C
All samples were received in good condition.
A05-5462
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A05-5546
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

Wet Chemistry Data

Total Organic Carbon was subcontracted to STL Edison. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Total Organic Carbon may be found within the comment summary of the subcontract report.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SEVERN TRENT STL

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel: 732 549 3900 Fax: 732 549 3679
www.stl-inc.com

06/24/2005

STL Buffalo
10 Hazelwood Drive
Amherst, NY 14228

Attention: Mr. Paul Morrow

Laboratory Results
Job No. Z367 - URS-NYSEG Lockport

Dear Mr. Morrow:

Enclosed are the results you requested for the following sample(s) received at our laboratory on June 1, 2005.

Lab No.	Client ID	Analysis Required
637702	GB-37-13-14	TOC
637703	GB-39-14-16	TOC
637704	GB-29-12-13	TOC
637705	GB-30-12.5-13.5	TOC
637706	GB-13-16-17	TOC
637707	DUP-02	TOC
637708	GB-04-3-4	TOC
638241	GB-35-3-5	TOC
638242	GB-23-6.4-8.4	TOC
638243	GB-19-7-8	TOC
638835	GB-17-6.2-8.2	TOC
638836	GB-09-10-12	TOC
638837	GB-20-4-6	TOC

General Information

Chain of Custody

Date: 05/27/2005
Time: 16:34:16

STL Buffalo
Internal Chain of Custody

Page: 1
Rept: AN0093

Z367

Client: U R S Corporation
Project: NY5A9403
Quote: NY04-599
SM #: 0324

JOB# Z367

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	Sample NOS	# and Type of Samp Containers	Sample Date/Time
GB-37-13-14	A5546201	SOIL	TOC	637702	1-2ozGW	05/27/2005 10:15
GB-39-14-16	A5546202	SOIL	TOC	637703	1-2ozGW	05/27/2005 12:00

Relinquished by STL Buffalo: Signature(s)		Date	Time	Received By STL - Edison: Signature(s)		Date	Time
(1)		05/27/2005	1500	(3)	DHL	/ /20	
(2)	DHL	06/01/2005	9:15	(4)	UTL garsel	06/01/2005	9:20

STL Edison

1730

10

Job No: A05-5462
Project/Task: NY5A9403 4

st No.	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tclp	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	Spikes QC Limits	Spikes RPD
	WET CHEMISTRY																	
A16893	**SUBCONTRACT** LLOYD KAHN-TOTAL	OTHER	KAHN	Soil	N	S	0	0	28	N	MG/KG	CDL	0.50000	NONE				

Date: 05/27/2005
Time: 10:33:48

STL Buffalo
Internal Chain of Custody

Page: 1
Rept: AN0093

Z367

Client: U R S Corporation
Project: NY5A9403
Quote: NY04-599
SM #: 0321

Job: Z368

Turn Around Required: 7C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	Sample Nos.	# and Type of Samp Containers	Sample Date/Time
GB-29-12-13	A5540401	SOIL	TOC	637704	1-4ozP	05/26/2005 09:20
GB-30-12.5-13.5	A5540402	SOIL	TOC	637705	1-4ozP	05/26/2005 09:50
	A5540402MS	SOIL	TOC SHARE W/SD		1-4ozP	05/26/2005 09:50
GB-13-16-17	A5540403	SOIL	TOC	637706	1-4ozP	05/26/2005 12:45
DUP-02	A5540404	SOIL	TOC	637707	1-4ozP	05/26/2005 :
GB-04-3-4	A5540405	SOIL	TOC	637708	1-4ozP	05/26/2005 17:50

2 of 6w

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Edison: Signature(s)	Date	Time
(1)	05/27/2005	1500	(3) DHL	/ /20	
(2) DHL	06/01/2005	9:15	(4)	6/1/2005	9:30

* PERFORM MS/SD ON SAMPLE 02

STL Edison

12

19\30

Z367

Job No: A05-5404
Project/Task: NY5A9403 4

st No.	Description	Prot	Method	Mtx	ICLP	Holding Type	Holding Tclp	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	Spikes QC Limits	Spikes RPD
	WET CHEMISTRY																	
A16893	**SUBCONTRACT** LLOYD KAHN-TOTAL	OTHER	KAHN	Soil	N	S	0	0	28	N	MG/KG	CDL	0.50000	NONE				

STL Edison

20130

13

Date: 06/01/2005
Time: 09:12:15

STL Buffalo
Internal Chain of Custody

Z466

Page: 1
Rept: AN0093

Client: U R S Corporation
Project: NY5A9403
Quote: NY04-599
SM #: 0326

Turn Around Required: 21C

Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
GB-35 3-5	A5554601	SOIL	TOC 638241	1-4ozP	05/31/2005 12:12
GB-23 6.4-8.4	A5554602	SOIL	TOC 638242	1-4ozP	05/31/2005 15:50
GB-19 7-8	A5554603	SOIL	TOC 638243	1-4ozP	05/31/2005 16:55

Relinquished by STL Buffalo: Signature(s)	Date	Time	Received By STL - Edison: Signature(s)	Date	Time
(1)	06/01/2005	1200	(3)	6/2/2005	9:35
(2)	/ /20		(4)	/ /20	

Z367

STL Edison

14

21\30

STL REPORT NUMBERS A05-5460, A05-5461, A05-5544, AND A05-5545

NON-CONFORMANCE SUMMARY

Job#: A05-5460,A05-5461,A05-5544,A05-5545

STL Project#: NY5A9403
SDG#: 052702
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-5460
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A05-5461
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A05-5544
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.
A05-5545
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

GC/MS Volatile Data

Sample RB-03 was preserved to a PH less than 2.

All aqueous, field generated, Quality Control samples were associated with soil samples. Therefore, all aqueous samples were analyzed as soils and evaluated using soil Quality Control Limits.

Sample GB-23 6.4-8.4 DL was analyzed using medium level techniques due to high concentrations of target analytes.

Initial calibration standard curve A5I0001584-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 11.53%.

500 ngs of spiking compounds was added to the Matrix Spike and Matrix Spike Duplicate of sample GB-34 14-16.

Initial calibration standard curve A5I0001619-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.35%.

Initial calibration standard curve A5I0001623-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.66%.

Initial calibration standard curve A5I0001624-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.84%.

The analyte Methylene Chloride was detected in VBLK41 (A5B0845402 and A5B0845406) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analytes Chloromethane and Methylene Chloride were detected in VBLK42 (A5B0845404) at levels below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Methylene Chloride was detected in VBLK45F (A5B0865602) at a level above the project established reporting limit. Samples had levels of Methylene Chloride less than ten times that of the Method Blank value. All sample detections for Methylene Chloride associated with VBLK45F, may potentially be due to laboratory contamination and should be evaluated accordingly. All associated sample detections were qualified with a "B".

The analyte Bromomethane was detected in Method Blank VBLK42 (A5B0845404) at a level above the project established reporting limit. Samples had levels of Bromomethane less than ten times that of the Method Blank value. All sample detections for Bromomethane in the samples associated with VBLK42 may potentially be due to laboratory contamination and should be evaluated accordingly. All associated sample detections were qualified with a "B".

GC/MS Semivolatile Data

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration A5I0001606.

The analyte Bis(2-ethylhexyl)phthalate was detected in the Method Blanks A5B0811702 and A5B0819702 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

Samples BG-34 14-16, MS and MSD required dilutions of 20 resulting in many surrogate and spike recoveries diluted out of range.

All surrogate recoveries were diluted out of range in sample BG-36 11-12.

The surrogate recoveries for 2,4,6-Tribromophenol were diluted out of range in samples GB-37 18.5-19.5, GB-39 6-8, DUP-05, and BG-35 17-18.

The surrogate recovery for 2,4,6-Tribromophenol was diluted out of range in sampleGB-28 7-9.

GC Extractable Data

For method 8082, the recovery of surrogate Decachlorobiphenyl in sample GB-37 14-16 is outside of established quality control limits due to the sample matrix. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

For method 8082, the recovery for Aroclor 1016 for sample GB-28 7-9 Matrix Spike and Matrix Spike Duplicate is outside quality control limits due to sample matrix and extract dilution. The Matrix Spike Blank recovery is compliant with quality control criteria; no corrective action is necessary.

Metals Data

The recovery of sample GB-34 14-16 Matrix Spike and Matrix Spike Duplicate exhibited result below the quality control limits for Aluminum(MSD), Calcium, Iron, Magnesium, and Manganese. The recovery of sample GB-03 9-11 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Calcium, Iron(MSD), Magnesium(MSD), and Manganese. The sample result is more than four times greater than the spike added. The RPD of sample GB-34 14-16 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Aluminum, Calcium, Iron, Magnesium, and Manganese. The RPD of sample GB-03 9-11 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Calcium. The LCS's (A5B0796201 and A5B0807801) are acceptable.

The recovery of sample GB-34 14-16 Matrix Spike and Matix Spike Duplicate exhibited results above the quality control limits for Lead, Nickel(MS), and Zinc(MS) and below the quality control limits for Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium(MSD), Cobalt, Copper(MSD), Potassium, Selenium, Silver, Sodium, Thallium, and Vanadium. The recovery of sample GB-03 9-11 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Zinc(MS) and below the quality control limits for Antimony, Arsenic(MSD), Barium, Beryllium(MSD), Cadmium(MSD), Chromium(MSD), Cobalt(MSD), Copper(MSD), Nickel(MSD), Selenium, Silver(MSD), Sodium(MSD), Thallium(MSD), and Vanadium(MSD). Sample matrix is suspect. The RPD of sample GB-34 14-16 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Copper, Lead, Nickel, Potassium, and Vanadium. The RPD of sample GB-03 9-11 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Arsenic and Zinc. However, the LCS's (A5B0796201 and A5B0807801) are acceptable.

The Post Spike of sample GB-34 14-16 exhibited results above the quality control limits for Aluminum, Calcium, Iron, Magnesium, and Manganese. However, the LCS (A5B0796201) is acceptable.

The Serial Dilution of sample GB-34 14-16 exceeded quality control limits for Aluminum, Iron, and Manganese. The Serial Dilution of sample GB-03 9-11 exceeded quality control limits for Barium, Iron, and Manganese. However, the LCS's (A5B0796201 and A5B0807801) are acceptable.

Wet Chemistry Data

The LCS, ERA Lot 250, recovery for Total Cyanide fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

The recovery of sample BD-34-14-16 Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Cyanide. However, the LCS was acceptable.

The LCS, ERA Lot P114502, recovery for Total Recoverable Phenolics fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

379\3089

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG - Lockport

SAMPLERS (PRINT/SIGNATURE) Rob Murphy / R Murphy

LAB STL - Buffalo

COOLER 1 of 1

PAGE 1 of 1

DELIVERY SERVICE: Drop-off AIRBILL NO.: —

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: TCL VOAs	TESTS: Total Cyanide	TESTS: TCL SVOAs, PCBs, Pesticides, Herbicides	TESTS: TOC	BOTTLE TYPE AND PRESERVATIVE: 2oz GW None	2oz GW None	4oz GW None	2oz GW None	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
GB-35	5/31/05	1212	G	GB-35-3'-5'	SO	5	2	1	1	1						N	3	5	
GB-28	5/31/05	1310	G	GB-28-7'-9'	SO	4	2	1	1							N	7	9	
GB-03	5/31/05	1355	G	GB-03-9'-11'	SO	4	2	1	1							N	9	11	
GB-25	5/31/05	1513	G	GB-25-8'-9'	SO	4	2	1	1							N	8	9	
GB-23	5/31/05	1550	G	GB-23-6.4'-8.4'	SO	5	2	1	1	1						N	6.4	8.4	
GB-21	5/31/05	1624	G	GB-21-7'-8'	SO	4	2	1	1							N	7	8	
GB-19	5/31/05	1655	G	GB-19-7-8	SO	4	1	1	1	1					limited volume all avail. provided	N	7	8	

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE	
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)			

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R Murphy	6/1/05	0800	Ubell STL Buffalo	6/1/05	0900
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

Hold Preservation

contact JTM Leahmen 856-5636

* Delivered on ICE *

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

24.0°C

380\3089

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG-Lockport

SAMPLERS (PRINT/SIGNATURE) Kris Murphy / R Murphy

DELIVERY SERVICE: Drop off AIRBILL NO.: ———

LAB STL-Buffalo

COOLER 1 of 1

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: VOAs	SVOAs	PCBs	Phenols	Metals	Cyanide	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
							BOTTLE TYPE AND PRESERVATIVE: Hcl vial	1L Amber	1L Amber	8oz Amber -4°C	16oz Plastic -H2SO4	8oz Plastic No Pres					
RB03	5/31/05	1710	G	RB-03	WQ	9	2	2	2	1	1	1		RB	—	—	

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R Murphy	6/1/05	0800	Bill STL BUFFALO	6/1/05	0800
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions call John Lehnen 716-856-5636.

Delivered on ice

4.0°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

3813089

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300 | SITE NAME NYSEG Lockport

SAMPLERS (PRINT/SIGNATURE) Rob Murphy / Andy Braymn / Andy Boyle

LAB STL Buffalo

COOLER 1 of 1

PAGE 1 of 2

DELIVERY SERVICE: Drop Off AIRBILL NO.: —

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS / BOTTLE TYPE AND PRESERVATIVE: 8260B VOAs None	8260B VOAs HCl	8260B GW VOAs None	8260B GW VOAs HCl	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
GB-37	5/27/05	1005	G	GB-37-18.5'-19.5'	SO	4	2	1	1	—		N	18.5	19.5	
GB-37	5/27/05	1010	G	GB-37-14'-16'	SO	4	2	1	1	—		N	14	16	
GB-37	5/27/05	1015	G	GB-37-13'-14'	SO	1	—	—	—	1		N	13	14	
GB-38	5/27/05	1111	G	GB-38-22'-23'	SO	4	2	1	1	—	Incorrect VOA type with exception Provided	N	22	23	
GB-38	5/27/05	1108	G	GB-38-14'-16'	SO	4	2	1	1	—		N	14	16	
GB-39	5/27/05	1200	G	GB-39-14'-16'	SO	1	—	—	—	1		N	14	16	
GB-39	5/27/05	1203	G	GB-39-21'-22'	SO	4	2	1	1	—		N	21	22	
GB-39	5/27/05	1205	G	GB-39-6'-8'	SO	4	2	1	1	—		N	6	8	
FieldQC	5/27/05	—	G	Dup-05	SO	4	2	1	1	—		FR	—	—	
GB-34	5/27/05	1258	G	GB-34-17'-18'	SO	4	2	1	1	—		N	17	18	
GB-34	5/27/05	1303	G	GB-34-14'-16'	SO	4	2	1	1	—		N	14	16	
GB-34	5/27/05	1303	G	GB-34-14'-16' MS	SO	1	1	—	—	—		MS	14	16	
GB-34	5/27/05	1303	G	GB-34-14'-16' MSD	SO	1	1	—	—	—		SD	14	16	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R. Murphy	5/27/05	1540		5/27/05	1545
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions contact Anne Marie Roppoli or JIM LEHNEN 856-5636

SAMPLES DELIVERED AS C...

Distribution: Original accompanies shipment, copy to coordinator field files

38213089

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173973.84300

SITE NAME NYSEG Lockport

LAB STL Buffalo

COOLER 1 of 1

PAGE 2 of 2

SAMPLERS (PRINT/SIGNATURE) Rob Murphy / Andy Braymer

DELIVERY SERVICE: Drop off AIRBILL NO.: —

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS / BOTTLE TYPE AND PRESERVATIVE: VOAs 2 oz GW None	Total Cyanide 2 oz GW NaOH	SVOCs, PCBs, Metals, Pest 16 oz GW None	TOC 2 oz GW None	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING
GB-34	5/24/05	1303	G	GB-34-14'-16'MS/MSD	SO	2	1	1	1	1		MS/SD	14	16
GB-36	5/27/05	1430	G	GB-36-18'-19'	SO	4	2	1	1	1		N	18	19
GB-36	5/27/05	1435	G	GB-36-11'-12'	SO	4	2	1	1	1		N	11	12

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TA

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLI

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R. Murphy	5/27/05	1540		5/27/05	1545
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Any Questions contact Jim Mahon or Marie Kroparich 856-5

GOC

SAMPLES DELIVERED ON ICE

STANDARD AS COLLECTED

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/ColCR/GCM

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK41

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Lab File ID: F8684.RR Lab Sample ID: A5B0845402

Date Analyzed: 06/04/2005 Time Analyzed: 11:29

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GB-25 8-9	A5554405	F8710.RR	19:44
2	GB-28 7-9	A5554403	F8708.RR	19:01
3	GB-34 14-16	A5546110MS	F8702.RR	17:13
4	GB-34 14-16	A5546110SD	F8704.RR	17:49
5	GB-34 17-18	A5546109	F8700.RR	16:37
6	GB-37 18.5-19.5	A5546101	F8694.RR	14:39
7	GB-38 22-23	A5546103	F8696.RR	15:15
8	GB-39 21-22	A5546106	F8698.RR	15:55
9	MSB41	A5B0845401	F8686.RR	12:05

Comments: _____

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METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK41

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Matrix: (soil/water) SOIL Lab Sample ID: A5B0845402

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8684.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/04/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK41

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Matrix: (soil/water) SOIL Lab Sample ID: A5B0845402

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8684.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/04/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
108-05-4	Vinyl acetate	25	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Lab File ID: F8685.RR Lab Sample ID: A5B0845404

Date Analyzed: 06/04/2005 Time Analyzed: 11:47

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	DUP-05	A5546108	F8699.RR	16:17
2	GB-03 9-11	A5554404	F8709.RR	19:22
3	GB-23 6.4-8.4	A5554406	F8711.RR	20:02
4	GB-34 14-16	A5546110	F8701.RR	16:55
5	GB-35 3-5	A5554402	F8707.RR	18:43
6	GB-36 11-12	A5546112	F8705.RR	18:07
7	GB-36 18-19	A5546111	F8703.RR	17:31
8	GB-37 14-16	A5546102	F8695.RR	14:57
9	GB-38 14-16	A5546104	F8697.RR	15:34
10	GB-39 6-8	A5546107	F8713.RR	20:38
11	MSB42	A5B0845403	F8687.RR	12:24

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK41

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Lab File ID: F8684.RR Lab Sample ID: A5B0845406

Date Analyzed: 06/04/2005 Time Analyzed: 11:29

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB41	A5B0845405	F8686.RR	12:05
2	RB-03	A5554401	F8706.RR	18:25

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Matrix: (soil/water) SOIL Lab Sample ID: A5B0845404

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8685.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/04/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	1	J
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK45F

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Lab File ID: F8720.RR Lab Sample ID: A5B0865602

Date Analyzed: 06/06/2005 Time Analyzed: 10:49

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	GB-19 8-9	A5554407	F8721.RR	11:22
2	GB-21 7-8	A5554408	F8722.RR	11:55
3	MSB45F	A5B0865601	F8717.RR	09:10

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK45S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Lab File ID: S3278.RR Lab Sample ID: A5B0859806

Date Analyzed: 06/08/2005 Time Analyzed: 09:16

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	METHANOLBLK 06/06/05	A5554409	S3282.RR	11:14
2	MSB45S	A5B0859805	S3276.RR	08:34

Comments: _____

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METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK45F

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Matrix: (soil/water) SOIL Lab Sample ID: A5B0865602

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F8720.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/06/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	6	

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
METHOD BLANK SUMMARY

1022\3089
Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Lab File ID: V09913.RR Lab Sample ID: A5B0811702

Instrument ID: HP5973V Date Extracted: 06/02/2005

Matrix: (soil/water) SOIL Date Analyzed: 06/03/2005

Level: (low/med) LOW Time Analyzed: 19:06

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	GB-03 9-11	A5554404	V09917.RR	06/03/2005
2	GB-03 9-11	A5554404MS	V09921.RR	06/04/2005
3	GB-03 9-11	A5554404SD	V09922.RR	06/04/2005
4	GB-19 8-9	A5554407	V09925.RR	06/04/2005
5	GB-21 7-8	A5554408	V09926.RR	06/04/2005
6	GB-23 6.4-8.4	A5554406	V09924.RR	06/04/2005
7	GB-23 6.4-8.4 DL	A5554406DL	V09957.RR	06/07/2005
8	GB-25 8-9	A5554405	V09923.RR	06/04/2005
9	GB-28 7-9	A5554403	V09916.RR	06/03/2005
10	GB-35 3-5	A5554402	V09915.RR	06/03/2005
11	Matrix Spike Blank	A5B0811701	V09912.RR	06/03/2005

Comments: _____

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS 1023\3089
METHOD BLANK SUMMARY Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Lab File ID: V09964.RR Lab Sample ID: A5B0819702

Instrument ID: HP5973V Date Extracted: 06/03/2005

Matrix: (soil/water) WATER Date Analyzed: 06/07/2005

Level: (low/med) LOW Time Analyzed: 13:18

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	Matrix Spike Blank	A5B0819701	V09982.RR	06/07/2005
2	RB-03	A5554401	V09977.RR	06/07/2005

Comments: _____

1736\3089

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Matrix: (soil/water) SOIL Lab Sample ID: A5B0811702

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V09913.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/03/2005

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	330	U
208-96-8	Acenaphthylene	330	U
98-86-2	Acetophenone	330	U
120-12-7	Anthracene	330	U
1912-24-9	Atrazine	330	U
100-52-7	Benzaldehyde	330	U
56-55-3	Benzo(a)anthracene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
191-24-2	Benzo(ghi)perylene	330	U
50-32-8	Benzo(a)pyrene	330	U
92-52-4	Biphenyl	330	U
111-91-1	Bis(2-chloroethoxy) methane	330	U
111-44-4	Bis(2-chloroethyl) ether	330	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	330	U
117-81-7	Bis(2-ethylhexyl) phthalate	23	J
101-55-3	4-Bromophenyl phenyl ether	330	U
85-68-7	Butyl benzyl phthalate	330	U
105-60-2	Caprolactam	330	U
106-47-8	4-Chloroaniline	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-58-7	2-Chloronaphthalene	330	U
95-57-8	2-Chlorophenol	330	U
7005-72-3	4-Chlorophenyl phenyl ether	330	U
86-74-8	Carbazole	330	U
218-01-9	Chrysene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
132-64-9	Dibenzofuran	330	U
84-74-2	Di-n-butyl phthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
120-83-2	2,4-Dichlorophenol	330	U
84-66-2	Diethyl phthalate	330	U

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METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 052702

Matrix: (soil/water) SOIL Lab Sample ID: A5B0811702

Sample wt/vol: 30.35 (g/mL) G Lab File ID: V09913.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/03/2005

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethylphenol	330	U
131-11-3	Dimethyl phthalate	330	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
51-28-5	2,4-Dinitrophenol	1600	U
121-14-2	2,4-Dinitrotoluene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
117-84-0	Di-n-octyl phthalate	330	U
206-44-0	Fluoranthene	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-68-3	Hexachlorobutadiene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
67-72-1	Hexachloroethane	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
78-59-1	Isophorone	330	U
91-57-6	2-Methylnaphthalene	330	U
95-48-7	2-Methylphenol	330	U
106-44-5	4-Methylphenol	330	U
91-20-3	Naphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
99-09-2	3-Nitroaniline	1600	U
100-01-6	4-Nitroaniline	1600	U
98-95-3	Nitrobenzene	330	U
88-75-5	2-Nitrophenol	330	U
100-02-7	4-Nitrophenol	1600	U
86-30-6	N-nitrosodiphenylamine	330	U
621-64-7	N-Nitroso-Di-n-propylamine	330	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	330	U
108-95-2	Phenol	330	U
129-00-0	Pyrene	330	U
95-95-4	2,4,5-Trichlorophenol	790	U

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-34 14-16\SD

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 052702

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 88.2

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
Aluminum		4642.8789		6183.8599		1099.00	-140.2		P
Antimony	75 - 125	16.4851	U	16.4851	U	21.98	49.7	N	P
Arsenic	75 - 125	17.0280		4.4579		21.98	57.2	N	P
Barium	75 - 125	62.6993		51.7001		21.98	50.0	N	P
Beryllium	75 - 125	14.9662		0.3438		21.98	66.5	N	P
Cadmium	75 - 125	14.4618		0.2198	U	21.98	65.8	N	P
Calcium		15162.2002		38364.6289		1099.00	-2111.2		P
Chromium	75 - 125	24.1495		8.1188		21.98	72.9	N	P
Cobalt	75 - 125	18.8369		5.1706		21.98	62.2	N	P
Copper	75 - 125	34.8549		22.0923		21.98	58.1	N	P
Iron		5853.1880		10147.8799		1099.00	-390.8		P
Lead	75 - 125	102.1052		35.8304		21.98	301.5	N	P
Magnesium		4733.1162		7898.7969		1099.00	-288.1		P
Manganese		173.1207		612.2562		21.98	-1997.9		P
Nickel	75 - 125	39.5664		18.3175		21.98	96.7		P
Potassium	75 - 125	1279.9730		908.3256		1099.00	33.8	N	P
Selenium	75 - 125	14.0222		4.3960	U	21.98	63.8	N	P
Silver	75 - 125	3.8740		0.5495	U	5.50	70.4	N	P
Mercury	75 - 125	0.4761		0.0800		0.37	107.1		CV
Sodium	75 - 125	815.7571		153.8606	U	1099.00	74.2	N	P
Thallium	75 - 125	15.2707		6.5940	U	21.98	69.5	N	P
Vanadium	75 - 125	21.8801		11.5125		21.98	47.2	N	P
Zinc	75 - 125	70.2660		46.5744		21.98	107.8		P

7/20/05

Comments: _____

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-34 14-16\MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 052702

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 88.2

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
Aluminum		7656.4619		6183.8599		1138.73	129.3		P
Antimony	75 - 125	17.0809	U	17.0809	U	22.77	29.4	N	P
Arsenic	75 - 125	17.4829		4.4579		22.77	57.2	N	P
Barium	75 - 125	66.7431		51.7001		22.77	66.1	N	P
Beryllium	75 - 125	14.7363		0.3438		22.77	63.2	N	P
Cadmium	75 - 125	13.9574		0.2277	U	22.77	61.3	N	P
Calcium		24759.4805		38364.6289		1138.73	-1194.8		P
Chromium	75 - 125	28.8622		8.1188		22.77	91.1		P
Cobalt	75 - 125	21.5322		5.1706		22.77	71.9	N	P
Copper	75 - 125	43.8068		22.0923		22.77	95.4		P
Iron		10596.5498		10147.8799		1138.73	39.4		P
Lead	75 - 125	64.4850		35.8304		22.77	125.8	N	P
Magnesium		8097.9502		7898.7969		1138.73	17.5		P
Manganese		305.3828		612.2562		22.77	-1347.7		P
Nickel	75 - 125	52.7322		18.3175		22.77	151.1	N	P
Potassium	75 - 125	1575.1290		908.3256		1138.73	58.6	N	P
Selenium	75 - 125	13.7581		4.5549	U	22.77	60.4	N	P
Silver	75 - 125	3.8398		0.5694	U	5.69	67.5	N	P
Mercury	75 - 125	0.4757		0.0800		0.39	101.5		CV
Sodium	75 - 125	832.7458		159.4219	U	1138.73	73.1	N	P
Thallium	75 - 125	15.3956		6.8324	U	22.77	67.6	N	P
Vanadium	75 - 125	26.7999		11.5125		22.77	67.1	N	P
Zinc	75 - 125	77.3822		46.5744		22.77	135.3	N	P

7/28/05r

Comments: _____

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-03 9-11\SD

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 052702

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 82.6

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
Aluminum	75 - 125	4012.5559		2951.4209		1279.92	82.9		P
Antimony	75 - 125	19.1987	U	19.1987	U	25.60	48.8	N	P
Arsenic	75 - 125	19.2064		2.7128		25.60	64.4	N	P
Barium	75 - 125	46.6811		29.4846		25.60	67.2	N	P
Beryllium	75 - 125	17.0562		0.2560	U	25.60	66.6	N	P
Cadmium	75 - 125	16.8027		0.2560	U	25.60	65.6	N	P
Calcium		62230.6992		113418.8984		1279.92	-3999.3		P
Chromium	75 - 125	22.7595		5.8686		25.60	66.0	N	P
Cobalt	75 - 125	19.8912		2.8088		25.60	66.7	N	P
Copper	75 - 125	35.5151		19.5473		25.60	62.4	N	P
Iron		7021.7109		7056.0371		1279.92	-2.7		P
Lead	75 - 125	43.6323		24.1211		25.60	76.2		P
Magnesium		12811.4502		14756.9297		1279.92	-152.0		P
Manganese		434.5443		540.7326		25.60	-414.8		P
Nickel	75 - 125	22.2590		5.6439		25.60	64.9	N	P
Potassium	75 - 125	1646.7240		678.2839		1279.92	75.7		P
Selenium	75 - 125	16.3650		0.6400	U	25.60	63.9	N	P
Silver	75 - 125	4.4362		0.6400	U	6.40	69.3	N	P
Mercury	75 - 125	0.5231		0.2120		0.35	88.9		CV
Sodium	75 - 125	1141.6021		233.6714		1279.92	70.9	N	P
Thallium	75 - 125	16.3996		7.6795	U	25.60	64.1	N	P
Vanadium	75 - 125	23.3969		6.1827		25.60	67.2	N	P
Zinc		71.8890		56.5149		25.60	60.1	N	P

7/28/05

Comments: _____

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

GB-03 9-11\MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 052702

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 82.6

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
Aluminum	75 - 125	4348.5161		2951.4209		1238.04	112.8		P
Antimony	75 - 125	18.5706	U	18.5706	U	24.76	60.0	N	P
Arsenic	75 - 125	24.4500		2.7128		24.76	87.8		P
Barium	75 - 125	46.6641		29.4846		24.76	69.4	N	P
Beryllium	75 - 125	19.3233		0.2476	U	24.76	78.0		P
Cadmium	75 - 125	18.9531		0.2476	U	24.76	76.5		P
Calcium		86479.2813		113418.8984		1238.04	-2176.0		P
Chromium	75 - 125	24.9143		5.8686		24.76	76.9		P
Cobalt	75 - 125	22.5508		2.8088		24.76	79.7		P
Copper	75 - 125	42.0524		19.5473		24.76	90.9		P
Iron		8218.1592		7056.0371		1238.04	93.9		P
Lead	75 - 125	52.2328		24.1211		24.76	113.5		P
Magnesium		15062.7100		14756.9297		1238.04	24.7		P
Manganese		490.1613		540.7326		24.76	-204.2		P
Nickel	75 - 125	25.3117		5.6439		24.76	79.4		P
Potassium	75 - 125	1868.5040		678.2839		1238.04	96.1		P
Selenium	75 - 125	18.4690		0.6190	U	24.76	74.6	N	P
Silver	75 - 125	5.0450		0.6190	U	6.19	81.5		P
Mercury	75 - 125	0.5343		0.2120		0.38	84.8		CV
Sodium	75 - 125	1277.9030		233.6714		1238.04	84.3		P
Thallium	75 - 125	18.9011		7.4282	U	24.76	76.3		P
Vanadium	75 - 125	26.2303		6.1827		24.76	81.0		P
Zinc	75 - 125	158.8278		56.5149		24.76	413.2	N	P

7/28/05

Comments: _____

U R S Corporation

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

GB-34 14-16L

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 052702

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	56485.92		62177.40		10.1	E	P
Antimony	150.00	U	750.00	U			P
Arsenic	40.72		100.00	U	100.0		P
Barium	472.25		519.15		9.9		P
Beryllium	3.14		10.00	U	100.0		P
Cadmium	2.00	U	10.00	U			P
Calcium	350438.31		376045.31		7.3		P
Chromium	74.16		82.20		10.8		P
Cobalt	47.23		51.70		9.5		P
Copper	201.80		208.70		3.4		P
Iron	92694.96		103420.40		11.6	E	P
Lead	327.29		367.10		~~12.2~~		P
Magnesium	72150.87		78778.40		9.2		P
Manganese	5592.60		6231.30		11.4	E	P
Nickel	167.32		189.40		13.2		P
Potassium	8297.02		9019.90		8.7		P
Selenium	40.00	U	200.00	U			P
Silver	5.00	U	25.00	U			P
Sodium	891.43		7000.00	U	100.0		P
Thallium	60.00	U	300.00	U			P
Vanadium	105.16		117.10		11.4		P
Zinc	425.43		480.10		12.9		P

7/28/05

Comments: _____

U R S Corporation

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

GB-03 9-11L

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 052702

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	27057.12		29717.10		9.8		P
Antimony	150.00	U	750.00	U			P
Arsenic	24.87		100.00	U	100.0		P
Barium	270.30		298.10		10.3	E	P
Beryllium	1.67		10.00	U	100.0		P
Cadmium	2.00	U	10.00	U			P
Calcium	1039767.00		1089598.00		4.8		P
Chromium	53.80		61.30		13.9		P
Cobalt	25.75		29.95		16.3		P
Copper	179.20		189.60		5.8		P
Iron	64686.14		73510.20		13.6	E	P
Lead	221.13		249.40		12.8		P
Magnesium	135284.00		147620.80		9.1		P
Manganese	4957.16		5617.60		13.3	E	P
Nickel	51.74		59.90		15.8		P
Potassium	6218.16		6059.00		2.6		P
Selenium	5.00	U	25.00	U			P
Silver	5.00	U	25.00	U			P
Sodium	2142.18		7000.00	U	100.0		P
Thallium	60.00	U	300.00	U			P
Vanadium	56.68		64.35		13.5		P
Zinc	518.10		596.50		15.1		P

7/28/05 pm

Comments: _____

Date : 06/29/2005 19:20:30
Job No: A05-5460

SBD=0.00,SED=0.00,ST=N1
SAMPLE DATE 05/27/2005

Rept: AN0364

SDG: 052702
Client Sample ID: GB34-14-16 GB34-14-16 GB34-14-16
Lab Sample ID: A5546011 A5546011MS A5546011SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
WET CHEMISTRY ANALYSIS METHOD 9012 - TOTAL CYANIDE	UG/G	0	8.18	6.15	11.80	10.50	69 *	58 *	64	17 *	15.0	85-115

7/28/05 m

30243089

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

SDG: 052702
Client Sample ID: Method Blank LCS
Lab Sample ID: A5B0795604 A5B0795603

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9065 - TOTAL RECOVERABLE PHENOL	UG/G	25.00	27.70	88 *	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL REPORT NUMBERS A05-5668 AND A05-5670

NON-CONFORMANCE SUMMARY

Job#: A05-5668,A05-5670

STL Project#: NY5A9403
SDG#: 060202
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-5668
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A05-5670
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration A5I0001581 and A5I0001669.

The percent difference for Benzaldehyde was below laboratory quality control limits in the continuing calibration verification A5C0003975 wich was associated with the Matrix Spike Blank and the Matrix Blank. However, the samples were analyzed using compliant calibrations. There were no detections for Benzaldehyde in the associated samples.

The surrogate recovery for 2,4,6-Tribromophenol was below the laboratory quality control limits for sample SS-08. Based on US EPA CLP National Functional Guidelines for Data Review, one surrogate in either fraction (base/neutral or acid fraction) may have a recovery outside of the control limit. All analytes associated with that surrogate should be considered biased low.

The spike recoveries for several analytes were diluted out of samples Matrix Spike SS-03 and Matrix Spike Duplicate SS-03.

The relative percent difference between the Matrix Spike SS-03 and the Matrix Spike Duplicate SS-03 exceed quality control criteria for Acenaphthene and Pyrene, though all individual recoveries are compliant. No action required.

GC Extractable Data

For method 8082, several samples required dilution prior to analysis due to the heavy matrix present. The surrogates are diluted out of all sample extracts with a dilution factor of 10X or greater.

For method 8082, the recovery of surrogate Decachlorobiphenyl in samples SS-05 and SS-06 is outside of established quality control limits due to the sample matrix. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

For method 8082, samples DUP-07 and SS-02 required a dilution due to the matrix effects and are reported as elevated non-detections for all target analytes (Aroclors). The reported values represent the lowest limit that can be ascertained given the sample composition.

For method 8082, the Matrix Spike Duplicate recovery for Aroclor 1016 is elevated and above quality control limits. However, since this target analyte was non-detect in the samples and the high recovery would yield a high bias; no corrective action was necessary.

For method 8082, sample SS-03 contains a low level positive for Aroclor 1254. The values for this Aroclor are elevated in the corresponding Matrix Spike and Matrix Spike Duplicate due to the spiked Aroclor obscurring the pattern present.

Metals Data

The recovery of sample SS-03 Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Potassium, Selenium, Silver(MS), Sodium(MS), Thallium, Vanadium, and Zinc(MSD). Sample matrix is suspect. However, the LCS (A5B0842901) was acceptable.

The recovery of sample SS-03 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Calcium(MSD) and Magnesium(MSD), and below the quality control limits for Calcium(MS), Magnesium(MS), Iron, and Manganese. The sample result is more than four times greater than the spike added. The RPD of sample SS-03 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Calcium, Magnesium, and Manganese. The LCS (A5B0826701) is acceptable.

The recovery of sample SS-03 Post Spike exhibited results above the quality control limits for Aluminum, Iron, Magnesium, Manganese, Potassium, and Zinc. However, the LCS (A5B0826701) was acceptable.

The Serial Dilution of sample SS-03 exceeded quality control limits for Aluminum, Iron, Magnesium, and Manganese. However, the LCS (A5B0826701) was acceptable.

Wet Chemistry Data

The LCS, ERA Lot 250, recovery for Cyanide fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

The recovery of sample SS-03 Matrix Spike exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable.

The LCS, ERA Lot P114502, recovery for Total Recoverable Phenolics fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

Revision Comments

GC/MS Semi-volatile samples SS-01,SS-02,SS-03,SS-03MS,SS-03SD, SS-07,SS-08,SS-09 and DUP07 were diluted prior to analysis due to the thick viscous nature of the sample extract. Sample SS-4 was diluted due to high concentrations of target analytes.

The Form 5As and Form 6s for the Metals Spikes and Duplicates were manually edited to provide the actual concentrations of analytes previously reported as non-detect. Due to this manual edit, it was noted that the RPD for the duplicate analysis of Antimony fell above quality control limits, therefore all Form 1s have also been edited to include the asterisk (*) qualifier for Antimony.

****

Wet Chemistry Data

The LCS, ERA Lot 250, recovery for Cyanide fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

The recovery of sample SS-03 Matrix Spike exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable.

The LCS, ERA Lot P114502, recovery for Total Recoverable Phenolics fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

Revision Comments

GC/MS Semi-volatile samples SS-01,SS-02,SS-03,SS-03MS,SS-03SD, SS-07,SS-08,SS-09 and DUP07 were diluted prior to analysis due to the thick viscous nature of the sample extract. Sample SS-4 was diluted due to high concentrations of target analytes.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11739173.84300

SITE NAME NYSEG - LOCKPORT

SAMPLERS (PRINT/SIGNATURE) ROB MURPHY/R. Murphy

DELIVERY SERVICE: Drop-off AIRBILL NO.: —

LAB STL - Buffalo

COOLER 1 of 1

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: SVOCs TAL Metals	Total Cyanide	SVOCs, Metals, PCBs, Phenols	SVOAs	PCBs	Phenols	Metals	Cyanide	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (EKPMS)
							BOTTLE TYPE AND PRESERVATIVE: 9oz GW None	8oz GW None	16oz GW None	1L Amber None	1 L Amber None	8 x Amber H2SO4	40z Plastic HNO3	8oz Plastic NaOH					
SS-09	6/2/05	0950	G	SS-09	SO	2	1	1								N1	0	0.5	
SS-08	6/2/05	0956	G	SS-08	SO	2	1	1								N1	0	0.5	
SS-07	6/2/05	0958	G	SS-07	SO	2	1	1								N1	0	0.5	
SS-01	6/2/05	1012	G	SS-01	SO	2		1	1							N1	0	0.5	
SS-02	6/2/05	1030	G	SS-02	SO	2		1	1							N1	0	0.5	
DUP-07	6/2/05	—	G	DUP-07	SO	2		1	1							FR1	—	—	
SS-03	6/2/05	1040	G	SS-03	SO	2		1	1							N1	0	0.5	
SS-03	6/2/05	1040	G	SS-03 MS/MSD	SO	2		1	1							MS/SD1	0	0.5	
SS-04	6/2/05	1105	G	SS-04	SO	2		1	1							N1	0	0.5	
SS-05	6/2/05	1112	G	SS-05	SO	2		1	1							N1	0	0.5	
SS-06	6/2/05	1117	G	SS-06	SO	2		1	1							N1	0	0.5	
RB-05	6/2/05	1015	G	RB-05	WQ	7				2	2	1	1	1		RB1	—	—	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R. Murphy	6/2/05	1648			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
			[signature]	6/6/05	1645

SPECIAL INSTRUCTIONS: Any Questions Call Jim Lehrer 856-5636

THIS ALL FOR SURFACE SOILS, PUT IN SEPERATE REPORT

6 SAMPLES DELIVERED ON ICE

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/ColCR/GCM

6.0

173\1475

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SS-03\SD

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 060202

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 64.7

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
Aluminum	75 - 125	4370.8662		3472.9270		1576.41	57.0	N	P
Antimony	75 - 125	16.6327 ~~23.6461~~	U	0.20 ~~23.6461~~	U	31.53	52.8	N	P
Arsenic	75 - 125	24.0024		4.0120		31.53	63.4	N	P
Barium	75 - 125	49.4613		31.5723		31.53	56.7	N	P
Beryllium	75 - 125	19.9731		0.3153	U	31.53	63.3	N	P
Cadmium	75 - 125	21.1333		0.3153	U	31.53	67.0	N	P
Calcium		122598.1016		109842.2031		1576.41	809.2		P
Chromium	75 - 125	26.2235		6.6414		31.53	62.1	N	P
Cobalt	75 - 125	22.8579		3.7487		31.53	60.6	N	P
Copper	75 - 125	38.7024		20.0219		31.53	59.2	N	P
Iron		9682.0781		10852.9902		1576.41	-1856.8		P
Lead	75 - 125	77.1226		62.7426		31.53	45.6	N	P
Magnesium		54683.1797		42795.7695		1576.41	754.1		P
Manganese		710.7262		772.7799		31.53	-196.8		P
Nickel	75 - 125	31.5250		20.7471		31.53	34.2	N	P
Potassium	75 - 125	2082.0530		1022.4910		1576.41	67.2	N	P
Selenium	75 - 125	21.1333		6.3056	U	31.53	67.0	N	P
Silver	75 - 125	6.3466		0.7882	U	7.88	80.5		P
Mercury	75 - 125	0.5648		0.0680		0.47	105.7		CV
Sodium	75 - 125	1249.3510		220.6970	U	1576.41	79.3		P
Thallium	75 - 125	21.3430		9.4584	U	31.53	67.7	N	P
Vanadium	75 - 125	27.7668		7.9230		31.53	62.9	N	P
Zinc	75 - 125	106.2388		84.2195		31.53	69.8	N	P

7/21/05

Comments: _____

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SS-03\MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 060202

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 64.7

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
Aluminum	75 - 125	4205.1421		3472.9270		1554.20	47.1	N	P
Antimony	75 - 125	13.0724 ~~23.3131~~	U	0.20 ~~23.3131~~	U	31.08	42.1	N	P
Arsenic	75 - 125	21.9749		4.0120		31.08	57.8	N	P
Barium	75 - 125	49.8946		31.5723		31.08	59.0	N	P
Beryllium	75 - 125	17.3605		0.3108	U	31.08	55.9	N	P
Cadmium	75 - 125	18.8074		0.3108	U	31.08	60.5	N	P
Calcium		97392.4219		109842.2031		1554.20	-801.0		P
Chromium	75 - 125	23.3426		6.6414		31.08	53.7	N	P
Cobalt	75 - 125	20.2855		3.7487		31.08	53.2	N	P
Copper	75 - 125	40.6782		20.0219		31.08	66.5	N	P
Iron		9425.4785		10852.9902		1554.20	-91.8		P
Lead	75 - 125	75.5934		62.7426		31.08	41.3	N	P
Magnesium		37713.6289		42795.7695		1554.20	-327.0		P
Manganese		569.5754		772.7799		31.08	-653.8		P
Nickel	75 - 125	29.5594		20.7471		31.08	28.4	N	P
Potassium	75 - 125	1864.2209		1022.4910		1554.20	54.2	N	P
Selenium	75 - 125	18.6629		6.2168	U	31.08	60.0	N	P
Silver	75 - 125	5.7039		0.7771	U	7.77	73.4	N	P
Mercury	75 - 125	0.6132		0.0680		0.50	109.0		CV
Sodium	75 - 125	1083.6770		217.5885	U	1554.20	69.7	N	P
Thallium	75 - 125	19.3902		9.3252	U	31.08	62.4	N	P
Vanadium	75 - 125	25.2869		7.9230		31.08	55.9	N	P
Zinc	75 - 125	117.3813		84.2195		31.08	106.7		P

7/21/05 JM

Comments: _____

U R S Corporation

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

SS-03L

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 060202

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	22030.65		25348.15		15.1	E	P
Antimony	150.00	U	750.00	U			P
Arsenic	25.45		100.00	U	100.0		P
Barium	200.28		239.40		19.5		P
Beryllium	1.62		10.00	U	100.0		P
Cadmium	2.00	U	10.00	U			P
Calcium	696788.38		746969.81		7.2		P
Chromium	42.13		50.75		20.5		P
Cobalt	23.78		28.90		21.5		P
Copper	127.01		145.50		14.6		P
Iron	68846.37		84081.40		22.1	E	P
Lead	398.01		489.45		23.0		P
Magnesium	271476.69		321909.81		18.6	E	P
Manganese	4902.16		6025.30		22.9	E	P
Nickel	131.61		162.05		23.1		P
Potassium	6486.21		7005.15		8.0		P
Selenium	40.00	U	200.00	U			P
Silver	1.17		25.00	U	100.0		P
Sodium	901.46		7000.00	U	100.0		P
Thallium	60.00	U	300.00	U			P
Vanadium	50.26		59.40		18.2		P
Zinc	534.25		679.95		27.3		P

7/5/05

Comments: _____

STL REPORT NUMBERS A05-6062, A05-6063, A05-6308 AND A05-6309

NON-CONFORMANCE SUMMARY

Job#: A05-6062,A05-6063,A05-6110,A05-6111,A05-6172,A05-6173, A05-6222,A05-6223,A05-6308,A05-6309

STL Project#: NY5A9403
SDG#: 061305
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-6062
Sample Cooler(s) were received at the following temperature(s); 3.0 °C
All samples were received in good condition.

A05-6063
Sample Cooler(s) were received at the following temperature(s); 3.0 °C
Cyanide volumes were composited in sample control into one 16 ounce plastic bottle per sample.

A05-6110
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

A05-6111
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
Total Cyanide volume composited in sample control for all samples.

A05-6172
Sample Cooler(s) were received at the following temperature(s); 9@3.0 °C
All samples were received in good condition.

A05-6173
Sample Cooler(s) were received at the following temperature(s); 9@3.0 °C
Volume for cyanide analysis was composited in sample control for all points.

A05-6222
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.

A05-6223
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
Volume for cyanide analysis was composited in sample control.

A05-6308
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.
A05-6309
Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
Total Cyanide volume was composited in sample control.

GC/MS Volatile Data

All samples were preserved to a pH less than 2.

The analyte Carbon Disulfide was detected in the Trip Blank, sample TB-6-15-05, at a level below the project established reporting limit.

The analyte Bromomethane was detected in Method Blank VBLK92 (A5B0998902) at a level above the project established reporting limit. MW-10S-GW DL is the only sample associated with this blank. MW-10S-GW DL was diluted for the analyte Benzene.

The analyte Bromomethane was detected in Method Blank VBLK96 (A5B1002902) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

Initial calibration standard curve A5I0001651-1 exhibited the %RSD of the compounds Bromomethane, Methylene Chloride, Toluene and Bromoform as greater than 15%. However, the mean RSD of all compounds is 7.95%.

why? 3 vials submitted

As a result of low volume, the sample MW-4-11-GW DL was analyzed from a vial containing headspace. The volatile organic results may be biased low and all positive detections and non-detections should be considered estimated.

Initial calibration standard curve A5I0001710-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.24%.

Initial calibration standard curve A5I0001700-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 10.77%.

Initial calibration standard curve A5I0001711-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 10.61%.

Initial calibration standard curve A5I0001664-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.12%.

Initial calibration standard curve A5I0001716-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 10.23%.

Initial calibration standard curve A5I0001717-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.44%.

Due to a required dilution, FD-6-15-05 DL was analyzed past the EPA-recommended holding time; the original analysis of the undiluted sample was performed within holding time. The out-of-hold, diluted result is confirmed by the undiluted result; both sets of results have been reported. There is no impact on data usability.

GC/MS Semivolatile Data

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration A5I0001669.

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration A5I0001692.

The analyte Bis(2-ethylhexyl) phthalate was detected in the Method Blank A5B0889502 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

All surrogate recoveries were diluted out of range in sample BMW-4-11-GW DL.

The surrogate recoveries for Phenol-d5 and 2,4,6-Tribromophenol were diluted out of range in sample MW-6D-GW DL.

GC Extractable Data

For method 8082, Decachlorobiphenyl exhibited a percent difference greater than 15% from the expected amount in the associated continuing calibration verification on 06/20/05 at 15:04. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant with quality control limits. No corrective action was required.

Metals Data

The recovery of sample SMW-01S-GW Matrix Spike Duplicate exhibited results above the quality control limits for Calcium. The recovery of sample MW-08-GW Matrix Spike exhibited results below the quality control limits for Calcium and Sodium. The sample results are more than four times greater than the spikes added. The LFB's (A5B0901601 and A5B0901701) are acceptable.

The recovery of sample MW-08-GW Matrix Spike exhibited results below the quality control limits for Magnesium. Sample matrix is suspect. However, the LFB (A5B0901701) was acceptable.

The recovery of sample EB-6-13-05 Post Spike was above quality control limits for Calcium. The recovery of sample SMW-01S-GW Post Spike was below quality control limits for Calcium. The recovery of sample MW-08-GW Post Spike was below quality control limits for Sodium. The recovery of sample BMW-04-04GW Post Spike was below quality control limits for Calcium and Sodium. However, the LFB's (A5B0922501, A5B0901701, A5B0901601, and A5B0883601) were acceptable, therefore, no corrective action was necessary.

The Serial Dilution of sample MW-6D-GW exceeded quality control limits for Calcium, Magnesium, and Sodium. However, the LFB (A5B0909001) was acceptable, therefore, no corrective action was necessary.

Wet Chemistry Data

The recovery of sample MW-08-GW Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable.

Revision Comments

This report was revised for the reasons listed below:

RC-1: The Method 8270 results for 1,1'-Biphenyl were corrected in samples MW-2-GW, MW-08-GW and FD-6-15-05.

RC-2: The Matrix Spike and Matrix Spike Duplicate results have been included for Nitrite.

RC-3: Form 12 (linear range) for Supertrace 2 has been generated and is provided in this package.

****

Wet Chemistry Data

The recovery of sample MW-08-GW Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Total Cyanide. However, the LCS was acceptable.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG - Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian/Bob Fabian

LAB STL

COOLER 1 of 2

PAGE 1 of 1

DELIVERY SERVICE: Drop off AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TCL VOA / 40 ml HCL	T Phenols / 8 oz Amber H_2SO_4	Sulfide / 8 oz Plastic ZnAc+NaOH	T CN * / 4oz Plastic NaOH	TAL / 16 oz plastic HNO_3	S FE / 8 oz plastic HNO_3	PCB / 1 Ltr Glass	TCL SVOA / 1 Ltr Glass	TALK CL NO4 N[illegible] SO4, TDS / 1 Ltr. Plastic	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
	6-13-05	1315	G	BMW-04-01-GW	WG		3	1	1	2	1	1	2	2	1		N1			
	↓	1520	↓	MW-6-GW			3	1	1	2	1	1	2	2	1		N1			
				TB-6-13-05			2										TB1			
	↓	1615	↓	EB-6-13-05-GW			3	1	1	2	1	1	2	2	1		EB1			

MATRIX CODES

AA - AMBIENT AIR, SE - SEDIMENT, SH - HAZARDOUS SOLID WASTE, SL - SLUDGE, WP - DRINKING WATER, WW - WASTE WATER, WG - GROUND WATER, SO - SOIL, DC - DRILL CUTTINGS, WL - LEACHATE, GS - SOIL GAS, WC - DRILLING WATER, WO - OCEAN WATER, WS - SURFACE WATER, WQ - WATER FIELD QC, LH - HAZARDOUS LIQUID WASTE, LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK, SD# - MATRIX SPIKE DUPLICATE, RB# - RINSE BLANK, FR# - FIELD REPLICATE, N# - NORMAL ENVIRONMENTAL SAMPLE, MS# - MATRIX SPIKE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	6-13-05	1720	[signature]	[illegible]	172[illegible]

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

* Combine bottles before Analysis
- 7 Day Turnaround on CN

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

6535891

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG-Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian

LAB STL

COOLER 1 of 3

PAGE 1 of 1

DELIVERY SERVICE: Drop off AIRBILL NO.:

TESTS: TCL VOA | T Phenols | Sulfide | T CN * | TAL | S Fe | PCB | TCL SVOA TAL/UNKNOWN Library | SO4, TDS

BOTTLE TYPE AND PREservative: 40 ml HCl | 8oz Amber H2SO4 | 8oz Plastic ZnAc+NaOH | 4oz Plastic NaOH | 16 oz Plastic HNO3 | 8oz plastic HNO3 | 1 Lit. Glass | 1 Lit. Glass | 1 Lit. Plastic

	LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	40 ml HCl	8oz Amber H2SO4	8oz Plastic ZnAc+NaOH	4oz Plastic NaOH	16 oz Plastic HNO3	8oz plastic HNO3	1 Lit. Glass	1 Lit. Glass	1 Lit. Plastic	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.* (ERPIMS)
		6-14-05	1055	G	SMW-01S-GW	WG	11	3	1		2	1		2	2			N1			
			1000		SMW-01D-GW		11	3	1		2	1		2	2			N1			
			1635		SMW-4-11-GW		14	3	1	1	2	1	1	2	2	1		N1			
			1750		IW-02-GW		11	3	1		2	1		2	2			N1			
					TB-06-14-05		3	3										TB1			
**		6-13-05	1615		EB-6-13-05-GW		3	3										N1			

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	6/14/05	1753		6/14/05	17:53
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
BF 6-14-05	6/14/05	1753			

SPECIAL INSTRUCTIONS: * Combine bottles before Analysis -7 Day Turnaround on CN

** Samples not submitted on 6-13-05 belong w/EB-6-13-05-GW

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

U.0°C

6545891

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG-Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian

LAB STL

COOLER 1 of 4

PAGE 1 of 1

DELIVERY SERVICE: Drop off AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: TCL VOA	T Phenols	Sulfide	T CN *	TAL	S Fe	PCB	TCL SVOA	TAL CN, Sep, TDS	BOTTLE TYPE AND PRESERVATIVE: 40 ml HCl	8 oz Amber H2SO4	8oz Plastic ZnAc+NaOH	4oz Plastic NaOH	16oz Plastic HNO3	8oz Plastic HNO3	1 Ltr Glass	1Ltr Glass	1 Ltr Plastic	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
	6.20.05	0950	G	Bmw-04-04-GW	WG	14	3	1	1	2	1	1	2	2	1											N1			
		1155	G	Bmw-04-05-GW		14	3	1	1	2	1	1	2	2	1											N1			
		~~1155~~ DUP																											
			G	Smw-03S			3	1		2	1		2	2												N1			
	↓	1340	G	FD~~6~~-20-05-GW	↓	14	3	1	1	2	1	1	2	2	1											FD1			
				TB-6-20-05		3	3																			TB1			

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Bob Fabian	6-20-05	1435	[signature]	6/21/05	1435
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

4@2.0°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

6555891

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200 | SITE NAME NYSEG - Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian

LAB STL

COOLER 1 of 4

PAGE 1 of 1

DELIVERY SERVICE: DROP OFF AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: TCL VOA	T Phenols	Sulfide	T CN *	TAL	S Fe	PCB	TCL SVOA	TAL CL NO4 SO4, TDS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (EXPIMS)
							BOTTLE TYPE AND PRESERVATIVE: 40 ml HCL	8oz Amber H2SO4	8 oz Plastic ZnAc+NaOH	4oz Plastic NaOH	16 oz. Plastic HNO3	8 oz plastic HNO3	1 Ltr. Glass	1 Ltr. Glass	1 Ltr. Plastic					
	6-16-05	0920	G	MW-6D-GW	WG	11	3	1		2	1		2	2			NI			
	↓	1120	↓	MW-10S-GW		11	3	1		2	1		2	2			NI			
		1420		MW-14-GW		11	3	1		2	1		2	2			NI			
		1630	↓	MW-9-GW		11	3	1		2	1		2	2			NI			
	↓			TB-6-16-05		3	3						1				TBI			

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Bob Fabian	6-16-05	1830	[signature]	6/17/05	1030
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS
* Combine bottles before Analysis
-7 Day Turnaround on CN
4@2.0°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-078C/1 OF 1/CofCR/GCM

6565891

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG - Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian

LAB STL

COOLER 1 of 9

PAGE 1 of 1

DELIVERY SERVICE: Drop off AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: TCL VOA	T Phenols	Sulfide	T CN *	TAL	S Fe	PCB	TCL SVOA	TAL+CLN04+Nitrate SO_4, TDS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
	6-15-05	0825	G	SMW-06S-GW	WG	11	3	1		2	1		2	2			N1			
		0842		MW-4-GW		14	3	1	1	2	1	1	2	2	1		N1			
		1305		MW-2-GW		14	3	1	1	2	1	1	2	2	1		N1			
		1455		MW-08-GW		14	3	1	1	2	1	1	2	2	1		N1			
		1455		MW-08-GW-MS		14	3	1	1	2	1	1	2	2	1		MS1			
		1455		MW-08-GW-MSD		14	3	1	1	2	1	1	2	2	1		SD1			
		1625		MW-16-GW		11	3	1		2	1		2	2			N1			
				TB-6-15-05		3	3										TB1			
				FD-6-15-05		14	3	1	1	2	1	1	2	2	1		FR1			

BOTTLE TYPE AND PRESERVATIVE: 40 ml HCL | 8 oz Amber H2SO4 | 8 oz Plastic ZnAc + NaOH | 4 oz Plastic NaOH | 16 oz Plastic HNO3 | 8 oz Plastic HNO3 | 1 Lt Glass | 1 Lt Glass | 1 Lt Plastic

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Bob Fabian	6-15-05	1750		06-15-05	1750
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

*Combine bottles before Analysis
- 7 Day Turnaround on CN

rec @ 3.0°C

Original accompanies shipment, copy to coordinator field files

CM

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

676\5891
Client No.

VBLK21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 061305

Lab File ID: G1529.RR Lab Sample ID: A5B0979702

Date Analyzed: 06/25/2005 Time Analyzed: 11:49

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973G

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	BMW-4-11-GW	A5611003	G1530.RR	12:17
2	MSB21	A5B0979701	G1528.RR	11:21
3	SMW-01D-GW	A5611002	G1531.RR	12:40

Comments: _____

1610\5891

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 061305

Matrix: (soil/water) WATER Lab Sample ID: A5B0979702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G1529.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/25/2005

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
78-93-3	2-Butanone	5.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
100-41-4	Ethylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene chloride	1.0	U

0.086 ug/L (LMOL, but present)
8/1/05 pm

Quantitation Report (Not Reviewed) **1614\5891**

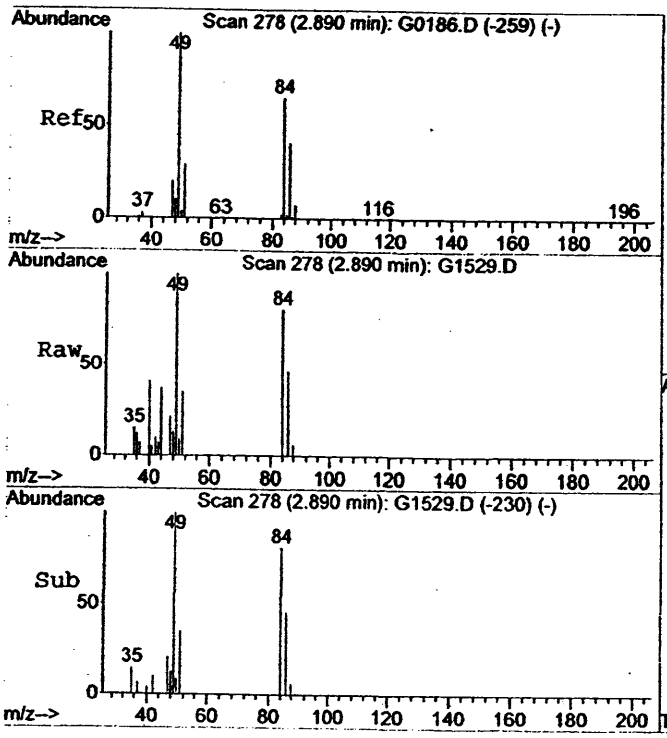
Data File: C:\MSDChem\1\DATA\062505\G1529.D
Acq On : 25 Jun 2005 11:49
Sample : VBLK21
Misc :
Integrator: RTE
Quant Time: Jul 05 15:41:26 2005

Quant Method : C:\MSDCHEM\1\METHODS\8260-5MLLOW\A5I0001651.M
Quant Title : 8260 5ML WATER
QLast Update : Mon Jun 27 22:56:09 2005
Response via : Initial Calibration
Data Path : C:\MSDChem\1\DATA\062505\
Operator : TLC

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.68	114	1455782	125.00	ng	0.00
							107.66%
43) CI20	Chlorobenzene-D5	6.68	82	722989	125.00	ng	0.00
							106.00%
63) CI30	1,4-Dichlorobenzene-	8.36	152	613507	125.00	ng	0.00
							101.24%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.16	111	409096	110.98	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	88.78%		
31) CS15	1,2-Dichloroethane-D	4.39	65	557003	103.88	ng	0.00
Spiked Amount	125.000	Range	72 - 143	Recovery =	83.10%		
44) CS05	Toluene-D8	5.67	98	1772484	125.50	ng	0.00
Spiked Amount	125.000	Range	76 - 116	Recovery =	100.40%		
62) CS10	p-Bromofluorobenzene	7.52	174	462148	128.20	ng	0.00
Spiked Amount	125.000	Range	73 - 117	Recovery =	102.56%		

Target Compounds						Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.	
3) C010	Chloromethane	1.45	50	72	N.D.	
4) C020	Vinyl chloride	1.60	62	60	N.D.	
5) C015	Bromomethane	1.76	94	55	N.D.	
6) C025	Chloroethane	1.84	64	55	N.D.	
7) C275	Trichlorofluoromet	0.00	101	0	N.D.	
8) C045	1,1-Dichloroethene	2.48	96	62	N.D.	
9) C030	Methylene chloride	2.89	84	12985	2.16 ng	91
10) C040	Carbon disulfide	2.65	76	8550	N.D.	
11) C036	Acrolein	2.43	56	288	N.D.	
12) C038	Acrylonitrile	3.07	53	359	N.D.	
13) C035	Acetone	2.54	43	644	N.D.	
14) C300	Acetonitrile	2.80	41	162	N.D.	
15) C276	Iodomethane	0.00	142	0	N.D.	
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.	
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.	
18) C057	trans-1,2-Dichloro	3.11	96	65	N.D.	
19) C255	Methyl Acetate	2.77	43	854	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	3.43	43	281	N.D.	
22) C051	2,2-Dichloropropan	3.86	77	660	N.D.	
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	4.01	42	64	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
27) C060	Chloroform	4.07	83	1271	N.D.	
28) C115	1,1,1-Trichloroeth	4.13	97	55	N.D.	
29) C120	Carbon tetrachlori	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropen	4.24	75	61	N.D.	
32) C165	Benzene	4.41	78	1922	N.D.	
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110	2-Butanone	3.82	43	236	N.D.	
35) C256	Cyclohexane	0.00	56	0	N.D.	
36) C150	Trichloroethene	0.00	95	0	N.D.	

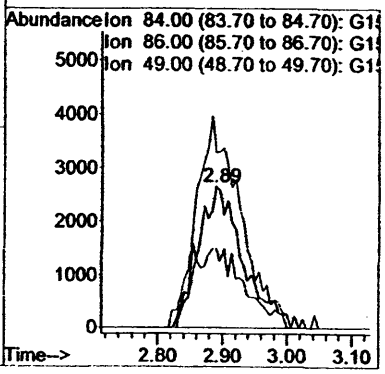
Below Reporting Limit



#9
C030 Methylene chloride
Concen: 2.16 ng
RT: 2.89 min Scan# 278
Delta R.T. -0.01 min
Lab File: G1529.D
Acq: 25 Jun 2005 11:49

Tgt Ion: 84 Resp: 12985

Ion	Ratio	Lower	Upper
84	100		
86	56.5	35.1	95.1
49	124.0	104.5	164.5



METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.
S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 061305

Lab File ID: W03936.RR Lab Sample ID: A5B0889502

Instrument ID: HP5973W Date Extracted: 06/15/2005

Matrix: (soil/water) WATER Date Analyzed: 06/20/2005

Level: (low/med) LOW Time Analyzed: 17:23

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	BMW-4-11-GW	A5611003	W03943.RR	06/20/2005
2	BMW-4-11-GW	A5611003MS	W03944.RR	06/20/2005
3	BMW-4-11-GW	A5611003SD	W03949.RR	06/21/2005
4	BMW-4-11-GW DL	A5611003DL	W03985.RR	06/22/2005
5	IW-02-GW	A5611004	W03937.RR	06/20/2005
6	Matrix Spike Blank	A5B0889501	W03935.RR	06/20/2005
7	SMW-01D-GW	A5611002	W03942.RR	06/20/2005
8	SMW-01S-GW	A5611001	W03941.RR	06/20/2005

Comments: _____

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

S Blank

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 061305

Matrix: (soil/water) WATER Lab Sample ID: A5B0889502

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: W03936.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/15/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/20/2005

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
98-86-2	Acetophenone	10	U
120-12-7	Anthracene	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	50	U
56-55-3	Benzo(a)anthracene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
92-52-4	Biphenyl	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	4	J
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
105-60-2	Caprolactam	10	U
86-74-8	Carbazole	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	Di-n-butyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: SBLK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 061305

Lab File ID: W04039.RR Lab Sample ID: A5B0904202

Instrument ID: HP5973W Date Extracted: 06/17/2005

Matrix: (soil/water) WATER Date Analyzed: 06/24/2005

Level: (low/med) LOW Time Analyzed: 20:27

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

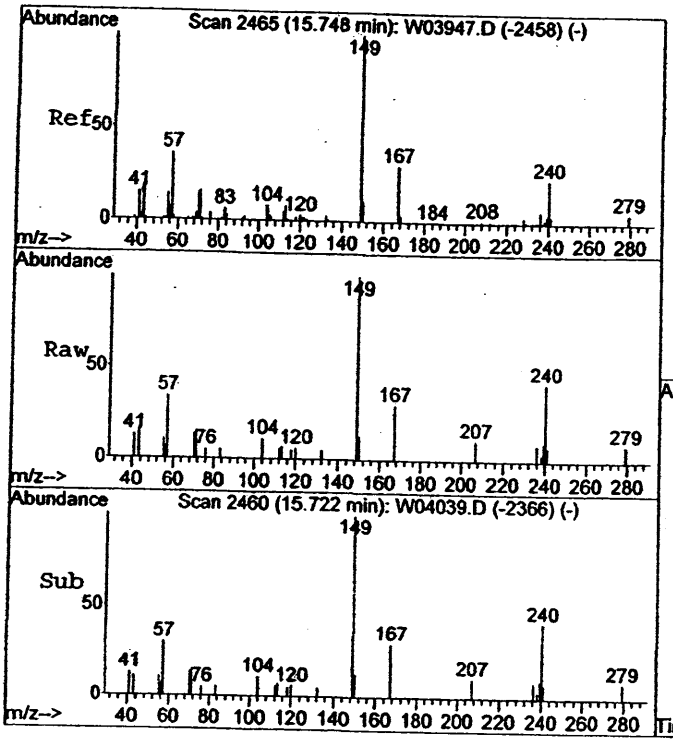
	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	FD-6-15-05	A5617207	W04047.RR	06/24/2005
2	Matrix Spike Blank	A5B0904201	W04038.RR	06/24/2005
3	MW-08-GW	A5617204	W04043.RR	06/24/2005
4	MW-08-GW-MS	A5617204MS	W04044.RR	06/24/2005
5	MW-08-GW-MSD	A5617204SD	W04045.RR	06/24/2005
6	MW-16-GW	A5617205	W04046.RR	06/24/2005
7	MW-2-GW	A5617203	W04042.RR	06/24/2005
8	MW-4-GW	A5617202	W04041.RR	06/24/2005
9	SMW-06S-GW	A5617201	W04040.RR	06/24/2005

Comments: _____

Data File : C:\MSDCHEM\1\DATA\062405\W04039.D Vial: 15
Acq On : 24 Jun 2005 20:27 Operator: MRF
Sample : SBLK96 AW50018801 Inst : HP5973W
Misc : 05-6172 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 25 08:04:07 2005 Results File: 8270EQ.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270EQ.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Fri Jun 24 14:42:30 2005
Response via : Initial Calibration
DataAcq Meth : 8270
IS QA File : C:\MSDChem\1\DATA\062405\W04025.D (24 Jun 2005 14:14)

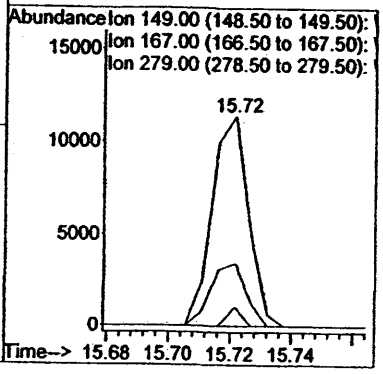
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
27) C435 bis(2-Chloroethoxy)	0.00	93	0	N.D.		
28) C440 2,4-Dichlorophenol	0.00	162	0	N.D.		
29) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.		
30) C450 Naphthalene	0.00	128	0	N.D.		
31) C455 4-Chloroaniline	0.00	127	0	N.D.		
32) C460 Hexachlorobutadiene	0.00	225	0	N.D.		
33) C465 4-Chloro-3-methylph	0.00	107	0	N.D.		
34) C470 2-Methylnaphthalene	0.00	142	0	N.D.		
36) C510 Hexachlorocyclopent	0.00	237	0	N.D.		
37) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.		
38) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.		
40) C525 2-Chloronaphthalene	0.00	162	0	N.D.		
41) C530 2-Nitroaniline	0.00	65	0	N.D.		
42) C540 Acenaphthylene	0.00	152	0	N.D.		
43) C535 Dimethylphthalate	0.00	163	0	N.D.		
44) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.		
45) C550 Acenaphthene	0.00	153	0	N.D.		
46) C545 3-Nitroaniline	0.00	138	0	N.D.		
47) C555 2,4-Dinitrophenol	0.00	184	0	N.D.		
48) C565 Dibenzofuran	0.00	168	0	N.D.		
49) C570 2,4-Dinitrotoluene	0.00	165	0	N.D.		
50) C560 4-Nitrophenol	0.00	109	0	N.D.		
51) C590 Fluorene	0.00	166	0	N.D.		
52) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.		
53) C580 Diethylphthalate	0.00	149	0	N.D.		
54) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.		
55) C595 4-Nitroaniline	0.00	138	0	N.D.		
57) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.		
58) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.		
60) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.		
61) C630 Hexachlorobenzene	0.00	284	0	N.D.		
62) C635 Pentachlorophenol	0.00	266	0	N.D.		
63) C640 Phenanthrene	0.00	178	0	N.D.		
64) C645 Anthracene	0.00	178	0	N.D.		
65) C647 carbazole	0.00	167	0	N.D.		
66) C650 Di-n-butylphthalate	13.77	149	1636	N.D.		
67) C655 Fluoranthene	0.00	202	0	N.D.		
69) C715 Pyrene	14.75	202	1005	N.D.		
70) C710 benzidine	0.00	184	0	N.D.		
72) C720 Butylbenzylphthalat	15.27	149	251	N.D.		
73) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.		
74) C730 Benzo[a]anthracene	15.71	228	382	N.D.		
75) C735 Chrysene	15.71	228	382	N.D.		
76) C740 bis(2-Ethylhexyl)phth	15.72	149	9340	2.09	ng	91
77) C760 Di-n-octylphthalate	16.28	149	488	N.D.		
79) C765 Benzo[b]fluoranthen	16.95	252	207	N.D.		
80) C770 Benzo[k]fluoranthen	0.00	252	0	N.D.		
81) C775 Benzo[a]pyrene	16.95	252	207	N.D.		
82) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.		
83) C785 Dibenz[a,h]anthrace	0.00	278	0	N.D.		
84) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.		



#76
C740 bis(2-Ethylhexyl)phthalate
Concen: 2.09 ng
RT: 15.72 min Scan# 2460
Delta R.T. -0.00 min
Lab File: W04039.D
Acq: 24 Jun 2005 20:27

Tgt Ion:149 Resp: 9340

Ion	Ratio	Lower	Upper
149	100		
167	30.0	16.2	56.2
279	9.3	0.0	31.4



METHOD 8270 - TCL SEMI-VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: SBLK

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 061305

Lab File ID: V10244.RR Lab Sample ID: A5B0907602

Instrument ID: HP5973V Date Extracted: 06/17/2005

Matrix: (soil/water) WATER Date Analyzed: 06/27/2005

Level: (low/med) LOW Time Analyzed: 09:59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	Matrix Spike Blank	A5B0907601	V10243.RR	06/27/2005
2	MW-10S-GW	A5622202	V10260.RR	06/27/2005
3	MW-10S-GW DL	A5622202DL	V10275.RR	06/28/2005
4	MW-14-GW	A5622203	V10261.RR	06/27/2005
5	MW-6D-GW	A5622201	V10259.RR	06/27/2005
6	MW-6D-GW DL	A5622201DL	V10274.RR	06/28/2005
7	MW-9-GW	A5622204	V10262.RR	06/27/2005

Comments: _____

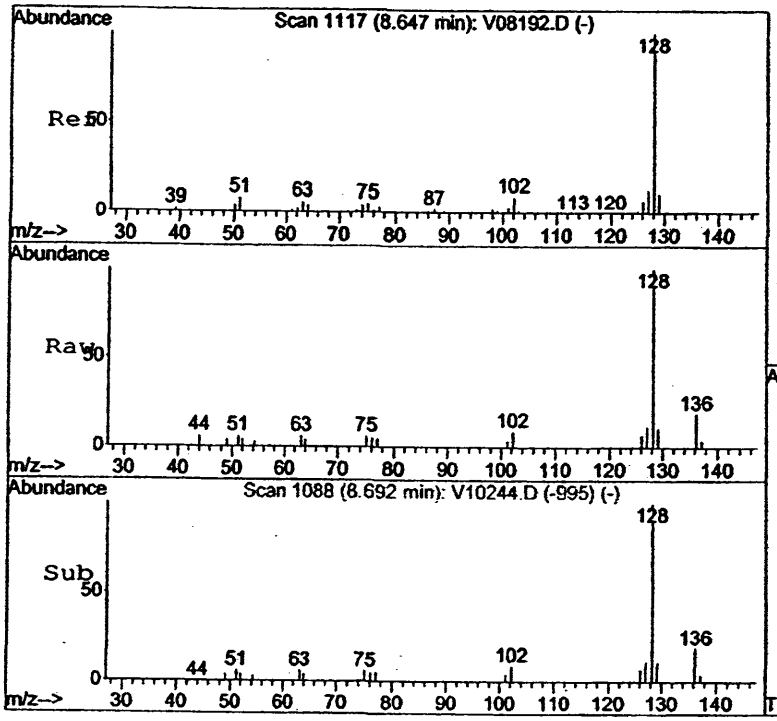
Quantitation Report (Not Reviewed)

Data File : D:\DATA\062705\V10244.D Vial: 5
Acq On : 27 Jun 2005 9:59 Operator: PM
Sample : SBLK27 AW50018817 Inst : HP5973V
Misc : 05-6222/24/49 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 27 14:28:04 2005 Results File: 8270EQ.RES

Quant Method : C:\MSDCHEM\1\METHODS\8270EQ.M (RTE Integrator)
Title : 8270 BNA Calibration with EPC
Last Update : Mon Jun 27 09:02:17 2005
Response via : Initial Calibration
DataAcq Meth : 8270E
IS QA File : D:\DATA\062705\V10241.D (27 Jun 2005 8:41)

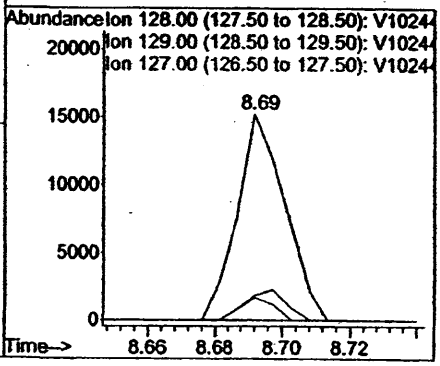
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
29) C445 1,2,4-Trichlorobenz	0.00	180	0	N.D.	
30) C450 Naphthalene	8.69	128	14916	0.52 ng	99
31) C455 4-Chloroaniline	8.70	127	1883	N.D.	
32) C460 Hexachlorobutadiene	0.00	225	0	N.D.	
33) C465 4-Chloro-3-methylph	0.00	107	0	N.D.	
34) C470 2-Methylnaphthalene	9.73	142	1118	N.D.	
36) C510 Hexachlorocyclopent	0.00	237	0	N.D.	
37) C515 2,4,6-Trichlorophen	0.00	196	0	N.D.	
38) C520 2,4,5-Trichlorophen	0.00	196	0	N.D.	
40) C525 2-Chloronaphthalene	0.00	162	0	N.D.	
41) C530 2-Nitroaniline	0.00	65	0	N.D.	
42) C540 Acenaphthylene	0.00	152	0	N.D.	
43) C535 Dimethylphthalate	0.00	163	0	N.D.	
44) C542 2,6-Dinitrotoluene	0.00	165	0	N.D.	
45) C550 Acenaphthene	11.31	153	192	N.D.	
46) C545 3-Nitroaniline	11.51	138	162	N.D.	
47) C555 2,4-Dinitrophenol	0.00	184	0	N.D.	
48) C565 Dibenzofuran	11.50	168	5013	N.D.	
49) C570 2,4-Dinitrotoluene	11.79	165	163	N.D.	
50) C560 4-Nitrophenol	11.27	109	757	N.D.	
51) C590 Fluorene	0.00	166	0	N.D.	
52) C585 4-Chlorophenyl-phen	0.00	204	0	N.D.	
53) C580 Diethylphthalate	0.00	149	0	N.D.	
54) C620 1,2-diphenylhydrazi	0.00	77	0	N.D.	
55) C595 4-Nitroaniline	0.00	138	0	N.D.	
57) C610 4,6-Dinitro-2-methy	0.00	198	0	N.D.	
58) C615 n-Nitrosodiphenylam	0.00	169	0	N.D.	
60) C625 4-Bromophenyl-pheny	0.00	248	0	N.D.	
61) C630 Hexachlorobenzene	0.00	284	0	N.D.	
62) C635 Pentachlorophenol	0.00	266	0	N.D.	
63) C640 Phenanthrene	13.30	178	567	N.D.	
64) C645 Anthracene	13.30	178	567	N.D.	
65) C647 carbazole	13.28	167	181	N.D.	
66) C650 Di-n-butylphthalate	13.97	149	3477	N.D.	
67) C655 Fluoranthene	14.57	202	424	N.D.	
69) C715 Pyrene	14.79	202	251	N.D.	
70) C710 benzidine	0.00	184	0	N.D.	
72) C720 Butylbenzylphthalat	15.41	149	1216	N.D.	
73) C725 3,3'-Dichlorobenzid	0.00	252	0	N.D.	
74) C730 Benzo[a]anthracene	15.91	228	2911	N.D.	
75) C735 Chrysene	15.91	228	2911	N.D.	
76) C740 bis(2-Ethylhexyl)phth	15.92	149	16363	0.74 ng	92
77) C760 Di-n-octylphthalate	16.50	149	5084	N.D.	
79) C765 Benzo[b]fluoranthen	17.22	252	3390	N.D.	
80) C770 Benzo[k]fluoranthen	0.00	252	0	N.D.	
81) C775 Benzo[a]pyrene	17.22	252	3390	N.D.	
82) C780 Indeno[1,2,3-cd]pyr	0.00	276	0	N.D.	
83) C785 Dibenz[a,h]anthrace	18.38	278	209	N.D.	
84) C790 Benzo[g,h,i]perylen	0.00	276	0	N.D.	

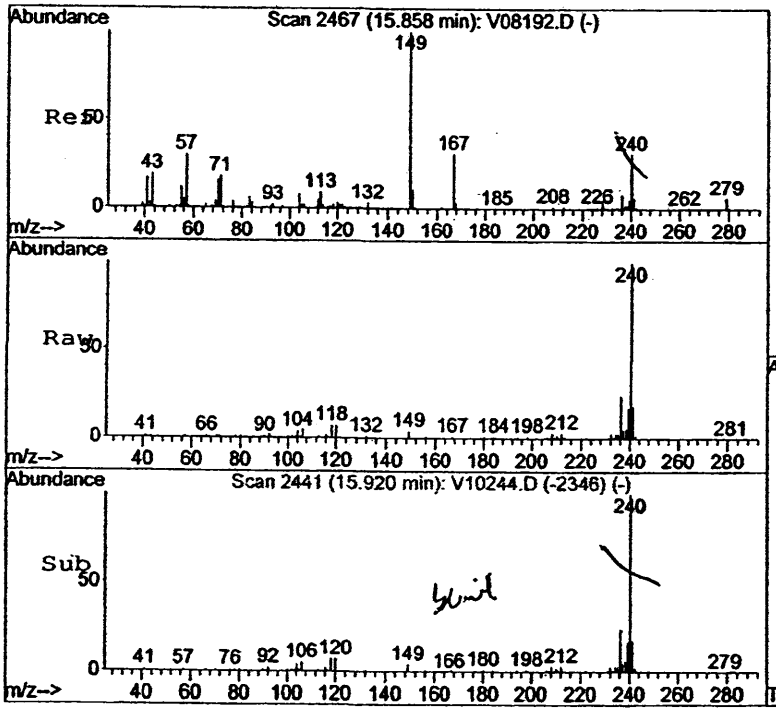
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#30
C450 Naphthalene
Concen: 0.52 ng
RT: 8.69 min Scan# 1088
Delta R.T. -0.01 min
Lab File: V10244.D
Acq: 27 Jun 2005 9:59

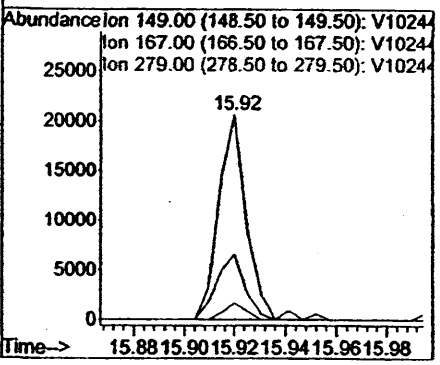
Tgt Ion:128	Resp:	14916	
Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	31.0
127	12.2	0.0	32.6





#76
C740 bis(2-Ethylhexyl)phthalate
Concen: 0.74 ng
RT: 15.92 min Scan# 2441
Delta R.T. 0.01 min
Lab File: V10244.D
Acq: 27 Jun 2005 9:59

Tgt Ion:149	Resp:	16363	
Ion	Ratio	Lower	Upper
149	100		
167	31.6	16.2	56.2
279	8.0	0.0	31.4



STL BUFFALO

U R S Corporation

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PREPARATION LOG

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 061305

Method: P Prep Method: _____

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
MW-4-GW	6/17/2005	50.0	50.0
MW-4-GW-SOL	6/17/2005	50.0	50.0
MW-2-GW	6/17/2005	50.0	50.0
MW-2-GW-SOL	6/17/2005	50.0	50.0
MW-08-GW	6/17/2005	50.0	50.0
MW-08-GW/MS	6/17/2005	50.0	50.0
MW-08-GW-MS-SOL	6/17/2005	50.0	50.0
MW-08-GW/MSD	6/17/2005	50.0	50.0
MW-08-GW-MSD-SOL	6/17/2005	50.0	50.0
MW-08-GW-SOL	6/17/2005	50.0	50.0
FD-6-15-05	6/17/2005	50.0	50.0
FD-6-15-05-SOL	6/17/2005	50.0	50.0
AD531832-LFB	6/17/2005	50.0	50.0
AD531833-MBLK	6/17/2005	50.0	50.0

Assoc. w/ MS of MW-08-GW

Comments:

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-08-GW/MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 061305

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	9274.7305		200.0000	U	10000.00	92.7		P
Antimony	75 - 125	206.2600		20.0000	U	200.00	103.1		P
Arsenic	75 - 125	183.7800		10.0000	U	200.00	91.9		P
Barium	75 - 125	213.1200		36.2500		200.00	88.4		P
Beryllium	75 - 125	179.2400		2.0000	U	200.00	89.6		P
Cadmium	75 - 125	175.3900		1.0000	U	200.00	87.7		P
Calcium		114770.0000		112419.8984		10000.00	23.5		P
Chromium	75 - 125	176.3700		4.0000	U	200.00	88.2		P
Cobalt	75 - 125	176.4700		4.0000	U	200.00	88.2		P
Copper	75 - 125	177.7800		10.0000	U	200.00	88.9		P
Iron	75 - 125	9493.7500		852.0600		10000.00	86.4		P
Lead	75 - 125	179.1000		5.0000	U	200.00	89.6		P
Magnesium	75 - 125	45083.1719		38618.7500		10000.00	64.6	N	P
Manganese	75 - 125	238.8800		65.1600		200.00	86.9		P
Nickel	75 - 125	173.1600		10.0000	U	200.00	86.6		P
Potassium	75 - 125	24712.1406		15213.3496		10000.00	95.0		P
Selenium	75 - 125	166.6800		15.0000	U	200.00	83.3		P
Silver	75 - 125	45.2900		3.0000	U	50.00	90.6		P
Mercury	75 - 125	6.3500		0.2000	U	6.67	95.2		CV
Sodium		319760.3125		330882.3125		10000.00	-111.2		P
Thallium	75 - 125	174.1800		20.0000	U	200.00	87.1		P
Vanadium	75 - 125	180.6600		5.0000	U	200.00	90.3		P
Zinc	75 - 125	180.5200		20.0000	U	200.00	90.3		P

8/1/05 JR

Comments: _____

STL BUFFALO

U R S Corporation

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PREPARATION LOG

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 061305

Method: P Prep Method: _____

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
MW-6D-GW	6/18/2005	50.0	50.0
MW-10S-GW	6/18/2005	50.0	50.0
MW-14-GW	6/18/2005	50.0	50.0
MW-9-GW	6/18/2005	50.0	50.0
AD532202-LFB	6/18/2005	50.0	50.0
AD532203-MBLK	6/18/2005	50.0	50.0

Assoc w/ ser SL of mw-6D-GW

6/1/05 pm

Comments:

U R S Corporation

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.: MW-6D-GWL

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 061305

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	200.00	U	1000.00	U			P
Antimony	20.00	U	100.00	U			P
Arsenic	2.38		50.00	U	100.0		P
Barium	180.93		163.20		9.8		P
Beryllium	2.00	U	10.00	U			P
Cadmium	0.60		5.00	U	100.0		P
Calcium	121121.50		108760.80		10.2	E	P
Chromium	1.68		20.00	U	100.0		P
Cobalt	4.00	U	20.00	U			P
Copper	10.00	U	50.00	U			P
Iron	297.06		250.00	U	100.0		P
Lead	5.00	U	25.00	U			P
Magnesium	36384.25		32449.10		10.8	E	P
Manganese	231.69		209.40		9.6		P
Nickel	2.17		50.00	U	100.0		P
Potassium	8649.13		7012.45		18.9		P
Selenium	15.00	U	75.00	U			P
Silver	3.00	U	15.00	U			P
Sodium	114343.80		101796.90		11.0	E	P
Thallium	20.00	U	100.00	U			P
Vanadium	5.00	U	25.00	U			P
Zinc	387.43		352.10		9.1		P

8/1/05

Comments: _____

Date : 07/15/2005 11:25:12

SAMPLE DATE 06/15/2005

Rept: AN0364

SDG: 061305

Client Sample ID: MW-08-GW | MW-08-GW-MS | MW-08-GW-MSD

Lab Sample ID: A5617304 | A5617304MS | A5617304SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS TOTAL CYANIDE	UG/L	5.00	70.70	72.20	100.0	100.0	66 *	67 *	67	2	15.0	85-115

8/2/05 gm

50445891

* Indicates Result is outside QC Limits

NC = Not Calculated ND = Not Detected

STL Buffalo

STL REPORT NUMBERS A05-6376, A05-6377, A05-6538 AND A05-6539

NON-CONFORMANCE SUMMARY

Job#: A05-6278,A05-6376,A05-6377,A05-6463,A05-6465,A05-6538,A05-6539,A05-6606,A05-6607

STL Project#: NY5A9403
SDG#: 061801
Site Name: URS NYSEG SITES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-6278
Sample Cooler(s) were received at the following temperature(s); 5@5.0 °C
All samples were received in good condition.

A05-6376
Sample Cooler(s) were received at the following temperature(s); 5@5.2 °C
All samples were received in good condition.

A05-6377
Sample Cooler(s) were received at the following temperature(s); 5@5.2 °C
Total Cyanide volume was composited in sample control.

A05-6463
Sample Cooler(s) were received at the following temperature(s); 4@5.8 °C
All samples were received in good condition.

A05-6465
Sample Cooler(s) were received at the following temperature(s); 4@5.8 °C
Cyanide volume was composited in sample control.

A05-6538
Sample Cooler(s) were received at the following temperature(s); 6@2.0 °C
All samples were received in good condition.

A05-6539
Sample Cooler(s) were received at the following temperature(s); 6@2.0 °C
Volume for Total Cyanide analysis was composited in sample control.

A05-6606
Sample Cooler(s) were received at the following temperature(s); 3@5.6 °C
All samples were received in good condition.

A05-6607
Sample Cooler(s) were received at the following temperature(s); 3@5.6 °C
Cyanide volumes were composited in sample control.

GC/MS Volatile Data

The surrogate recovery for 1,2-Dichloroethane-D4 was above the laboratory quality control limits for sample MW-18-GW. However, because the results were considered biased high and all target analytes were below the project established reporting limit, no further corrective action was necessary.

All samples were preserved to a pH less than 2.

Initial calibration standard curve A5I0001710-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 9.24%.

Initial calibration standard curve A5I0001758-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 11.37%.

Initial calibration standard curve A5I0001737-1 exhibited the %RSD of the compound Bromomethane as greater than 15%. However, the mean RSD of all compounds is 7.96%.

Initial calibration standard curve A5I0001714-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 11.57%.

Initial calibration standard curve A5I0001715-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 14.49%.

Tentatively Identified Compounds (TIC) were not detected in VBLK40 (A5B1079402). However, a TIC form could not be provided for VBLK40.

GC/MS Semivolatile Data

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration A5I0001692.

All surrogate recoveries were diluted out of range in samples BMW-04-14-GW DL and SMW-11-GW DL.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The recovery of sample MW-19-GW Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Potassium. The recovery of sample MW-01-GW Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Mercury. Sample matrix is suspect. However, the LFB's for both were acceptable.

The recovery of sample MW-19-GW Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Calcium (Matrix Spike Duplicate) and Sodium. The recovery of sample MW-01-GW Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits Calcium and Sodium. The sample result is more than four times greater than the spike added. The LFB's are acceptable.

The recovery of sample MW-19-GW Post Spike exhibited results above the quality control limits for Potassium and below the quality control limits for Calcium and Sodium. The recovery of sample BMW-04-07-GW Post Spike exhibited results below the quality control limits for Iron. The recovery of sample MW-01-GW Post Spike exhibited results above the quality control limits for Potassium and below the quality control limits for Sodium. The recovery of sample MW-11-GW Post Spike exhibited results above the quality control limits for Potassium and below the quality control limits for Sodium. However, the LFB's are acceptable.

The Serial Dilution of sample MW-19-GW exceeded quality control limits for Potassium and Sodium. However, the LFB was acceptable.

Wet Chemistry Data

The recovery of sample BMW-04-08-GW Matrix Spike exhibited results above the quality control limits for Sulfide. However, the LCS was acceptable.

The LCS, ERA P114502, recovery for Total Recoverable Phenolics fell outside of the quality control limits, however, the value was within the manufacturer's recommended acceptance limits. No corrective action was taken.

The recovery of sample MW-01-GW Matrix Spike exhibited results below the quality control limits for Total Recoverable Phenolics. The recovery of sample MW-01-GW Matrix Spike Duplicate exhibited results below the quality control limits for Total Recoverable Phenolics. However, the LCS was acceptable.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Dilution Log w/Code Information
For Project NY5A9403, SDG 061801

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
MW-19-GW	A5627803	Sodium - Total	5.00	008
MW-19-GW	A5627803MS	Sodium - Total	5.00	008
MW-19-GW	A5627803SD	Sodium - Total	5.00	008
MW-13-GW	A5627804	Chloride	50.00	008
MW-13-GW	A5627804	Sulfate	50.00	004
MW-15-GW	A5627805	Chloride	20.00	008
MW-15-GW	A5627805	Sulfate	20.00	004
BMW-04-08-GW	A5637605	Chloride	10.00	008
BMW-04-08-GW	A5637605	Sulfate	10.00	008
BMW-04-14-GW	A5646301	8260	40.00	004
BMW-04-14-GW	A5646301	Chloride	100.00	008
BMW-04-14-GW	A5646301	Sulfate	10.00	008
BMW-04-14-GW DL	A5646301DL	8270	200.00	008
SMW-11-GW	A5646303	8260	100.00	008
SMW-11-GW DL	A5646303DL	8270	500.00	008
BMW-04-10-GW	A5646304	8260	2.00	004
BMW-04-10-GW	A5646304	Chloride	10.00	008
BMW-04-10-GW	A5646304	Sulfate	10.00	004
BMW-04-10-GW DL	A5646304DL	8270	5.00	008
BMW-04-03-GW	A5653801	8260/5ML	2.00	008
BMW-04-03-GW	A5653801	Chloride	10.00	008
BMW-04-03-GW	A5653801	Sulfate	10.00	004
BMW-04-03-GW DL	A5653801DL	8270	4.00	008
MW-01-GW	A5653803	8260/5ML	2.00	008
MW-01-GW	A5653803	Chloride	10.00	008
MW-01-GW	A5653803	Sulfate	10.00	004
MW-01-GW	A5653803MS	8260/5ML	2.00	008
MW-01-GW	A5653803SD	8260/5ML	2.00	008
IW-01-GW	A5653804	Sodium - Total	10.00	008
MW-11-GW	A5660601	Chloride	10.00	008
MW-11-GW	A5660601	Sulfate	10.00	008
MW-12-GW	A5660602	8260/5ML	2.00	008
MW-12-GW	A5660602	Chloride	10.00	008
MW-12-GW	A5660602	Sulfate	10.00	004
MW-12-GW DL	A5660602DL	8260/5ML	5.00	008
MW-12-GW DL	A5660602DL	8270	10.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5653801	BMW-04-03-GW	WATER	06/23/2005	10:20	06/23/2005	18:20
A5653901	BMW-04-03-GW	WATER	06/23/2005	10:20	06/23/2005	18:20
A5637602	BMW-04-06-GW	WATER	06/21/2005	11:55	06/21/2005	19:00
A5637702	BMW-04-06-GW	WATER	06/21/2005	11:55	06/21/2005	19:00
A5637601	BMW-04-07-GW	WATER	06/21/2005	09:55	06/21/2005	19:00
A5637701	BMW-04-07-GW	WATER	06/21/2005	09:55	06/21/2005	19:00
A5637605	BMW-04-08-GW	WATER	06/21/2005	17:40	06/21/2005	19:00
A5637705	BMW-04-08-GW	WATER	06/21/2005	17:40	06/21/2005	19:00
A5646304	BMW-04-10-GW	WATER	06/22/2005	17:10	06/22/2005	18:30
A5646504	BMW-04-10-GW	WATER	06/22/2005	17:10	06/22/2005	18:30
A5637604	BMW-04-13-GW	WATER	06/21/2005	15:10	06/21/2005	19:00
A5637704	BMW-04-13-GW	WATER	06/21/2005	15:10	06/21/2005	19:00
A5646301	BMW-04-14-GW	WATER	06/22/2005	08:40	06/22/2005	18:30
A5646501	BMW-04-14-GW	WATER	06/22/2005	08:40	06/22/2005	18:30
A5653802	EB-6-23-05-GW	WATER	06/23/2005	11:30	06/23/2005	18:20
A5653902	EB-6-23-05-GW	WATER	06/23/2005	11:30	06/23/2005	18:20
A5653804	IW-01-GW	WATER	06/23/2005	14:40	06/23/2005	18:20
A5653904	IW-01-GW	WATER	06/23/2005	14:40	06/23/2005	18:20
A5653803	MW-01-GW	WATER	06/23/2005	13:35	06/23/2005	18:20
A5653803MS	MW-01-GW	WATER	06/23/2005	13:35	06/23/2005	18:20
A5653803SD	MW-01-GW	WATER	06/23/2005	13:35	06/23/2005	18:20
A5653903	MW-01-GW	WATER	06/23/2005	13:35	06/23/2005	18:20
A5653903MS	MW-01-GW	WATER	06/23/2005	13:35	06/23/2005	18:20
A5653903SD	MW-01-GW	WATER	06/23/2005	13:35	06/23/2005	18:20
A5653805	MW-05-GW	WATER	06/23/2005	17:00	06/23/2005	18:20
A5653905	MW-05-GW	WATER	06/23/2005	17:00	06/23/2005	18:20
A5660601	MW-11-GW	WATER	06/24/2005	11:40	06/24/2005	15:35
A5660701	MW-11-GW	WATER	06/24/2005	11:40	06/24/2005	15:35
A5660602	MW-12-GW	WATER	06/24/2005	13:25	06/24/2005	15:35
A5660702	MW-12-GW	WATER	06/24/2005	13:25	06/24/2005	15:35
A5627804	MW-13-GW	GW	06/17/2005	13:25	06/17/2005	17:10
A5627805	MW-15-GW	GW	06/17/2005	15:25	06/17/2005	17:10
A5627802	MW-18-GW	GW	06/17/2005	10:15	06/17/2005	17:10
A5627803	MW-19-GW	GW	06/17/2005	11:55	06/17/2005	17:10
A5637603	SMW-03D-GW	WATER	06/21/2005	13:25	06/21/2005	19:00
A5637703	SMW-03D-GW	WATER	06/21/2005	13:25	06/21/2005	19:00
A5646502	SMW-04 S/D-GW	WATER	06/22/2005	10:10	06/22/2005	18:30
A5646302	SMW-04-S/D-GW	WATER	06/22/2005	10:10	06/22/2005	18:30
A5627801	SMW-10-GW	GW	06/17/2005	08:05	06/17/2005	17:10
A5646303	SMW-11-GW	WATER	06/22/2005	12:35	06/22/2005	18:30
A5646503	SMW-11-GW	WATER	06/22/2005	12:35	06/22/2005	18:30
A5627806	TB-6-17-05	WATER	06/17/2005		06/17/2005	17:10
A5637606	TB-6-21-05	WATER	06/21/2005		06/21/2005	19:00
A5653806	TB-6-23-05	WATER	06/23/2005		06/23/2005	18:20
A5646305	TRIP BLANK	WATER	06/22/2005		06/22/2005	18:30

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG - Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian

LAB STL

COOLER 1 of

PAGE 1 of 1

DELIVERY SERVICE: Drop off AIRBILL NO.:

TESTS: TCL VOA; T Phenols; Sulfide; T CN *; TAL; SVOC; PCB; TCL SVOA; TAL CLN04 Nitrate SO4, TDS

BOTTLE TYPE AND PRESERVATIVE: 40 ml HCL; 8 oz Amber H2SO4; 8 oz Plastic ZnAc+NaOH; 4 oz Plastic NaOH; 16 oz Plastic HNO3; 8 oz Plastic HNO3; 1 Lt. Glass; 1 Lt. Glass; 1 Lt. Plastic

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	40 ml HCL	8 oz Amber H2SO4	8 oz Plastic ZnAc+NaOH	4 oz Plastic NaOH	16 oz Plastic HNO3	8 oz Plastic HNO3	1 Lt. Glass	1 Lt. Glass	1 Lt. Plastic	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
	6-17-05	0805	G	SMW-10-GW	WG	11	3	1		2	1		2	2			N1			
		1015		MW-18-GW		11	3	1		2	1		2	2			N1			
		1155		MW-19-GW		11	3	1		2	1		2	2			N1			
		1325		MW-13-GW		14	3	1	1	2	1	1	2	2	1		N1			
		1525		MW-15-GW		14	3	1	1	2	1	1	2	2	1		N1			
	↓			TB-6-17-05		3	3										TB1			

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Bob Fabian	6-17-05	1710		6/17/05	1710
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: 5 @ 5.0°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

640\6396

NYSA

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG-Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian   Rob Murphy / R. Murphy

DELIVERY SERVICE: DROP OFF   AIRBILL NO.: —

LAB STL   COOLER 1 of 3   PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TCL VOA (40 ml HCL)	T Phenols (8oz Amber H_2SO_4)	Sulfide (8oz Plastic ZnAc+NaOH)	T CN * (4oz Plastic NaOH)	TAL (16oz Plastic HNO_3)	S Fe (8oz Plastic HNO_3)	PCB (1 Lt. Glass)	TCL SVOA (1 Lt. Glass)	TALKCL NO3/NO2, SO4, TDS (1 Lt. Plastic)	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
IW-01	6-24-05	0800	G	IW-01-GW	WG	2							1	1		All Available Sample given	NI			
MW-07	↓	0835	↓	MW-07-GW	↓	9	3	1		2	1		1	1		limited volume	NI			
MW-17	↓	0920	↓	MW-17-GW	↓	7.5	3	1	1	1.5	1					↓	NI			
MW-11	↓	1140	↓	MW-11-GW	↓	14	3	1	1	2	1	1	2	2	1		NI			
MW-12	↓	1325	↓	MW-12-GW	↓	14	3	1	1	2	1	1	2	2	1		NI			
TB	↓	—		TB-6-24-05	WQ	3	3										TB1			

MATRIX CODES: AA - AMBIENT AIR, SE - SEDIMENT, SH - HAZARDOUS SOLID WASTE, SL - SLUDGE, WP - DRINKING WATER, WW - WASTE WATER, WG - GROUND WATER, SO - SOIL, DC - DRILL CUTTINGS, WL - LEACHATE, GS - SOIL GAS, WC - DRILLING WATER, WO - OCEAN WATER, WS - SURFACE WATER, WQ - WATER FIELD QC, LH - HAZARDOUS LIQUID WASTE, LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK, SD# - MATRIX SPIKE DUPLICATE, RB# - RINSE BLANK, FR# - FIELD REPLICATE, N# - NORMAL ENVIRONMENTAL SAMPLE, MS# - MATRIX SPIKE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
R. Murphy	6/24/05	1535	[illegible]	06/24/05	1535
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS
* Combine bottles before analysis
- 7 day Turnaround on CN
3@5.6°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CoCR/GCM

641\6396

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG - Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian

LAB STL

COOLER 1 of 5

PAGE 1 of 1

DELIVERY SERVICE: Drop Off AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: TCL VOA	T Phenols	Sulfide	T CN *	TAL	S Fe	PCB	TCL SVOA	TAL Cl/Na/Nitrate SO4, TDS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
							BOTTLE TYPE AND PRESERVATIVE: 40 ml HCl	8 oz Amber lt SO4	8 oz Plastic ZnAc+NaOH	4 oz Plastic NaOH	16 oz Plastic HNO3	8 oz Plastic HNO3	1 Lt Glass	1 Lt Glass	1 Lt. Plastic					
	6.21.05	0955	G	Bmw-04-07-GW	WG	11	3	1		2	1		2	2			N1			
		1155		Bmw-04-06-GW		11	3	1		2	1		2	2			N1			
		1325		Smw-03D-GW		11	3	1		2	1		2	2			N1			
		1510		Bmw-04-13-GW		11	3	1		2	1		2	2			N1			
		1740		Bmw-04-08-GW		14	3	1	1	2	1	1	2	2	1		N1			
				TB-6-21-05		3	3										TB1			

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Bob Fabian	6.21.05	1900	Karly A Ward	6.21.05	1900
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

* Combine bottles before Analysis
- 7 Day Turnaround on CN

5 ≤ 5.2°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF1/CofCR/GCM

64216396

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG - Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian/Bob Fabian

DELIVERY SERVICE: DROP OFF AIRBILL NO.: —

LAB STL
COOLER 1 of RTP 86
PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS	TCL VOA (40 ml HCL)	T Phenols (8oz Amber H_2SO_4)	Sulfide (8 oz Plastic ZnAc+NaOH)	T CN * (4oz Plastic NaOH)	TAL (16 oz Plastic HNO_3)	S Fe (8oz Plastic HNO_3)	PCB (1 Liter Glass)	SVOA TCL (1 Liter Glass)	TAlk, CL, NO3+NO2, SO4, TDS (1 Liter Glass)	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
BMW-04-03	6-23-05	1020	G	Bmw-04-03-GW	WG	14	3	1	1	2	1	1	2	2	1		N1			
FIELD QC	6-23-05	1130	G	EB-6-23-05-GW	WQ	11	3	1		2	1		2	2			N1			
MW-01	6-23-05	1335	G	mw-01-GW	WG	14	3	1	1	2	1	1	2	2	1		N1			
MW-01	6-23-05	1335	G	mw-01-MS-GW	WG	11	3	1		2	1		2	2			MS1			
MW-01	6-23-05	1335	G	mw-01-MSD-GW	WG	11	3	1		2	1		2	2			SD1			
IW-01	6-23-05	1440	G	IW-01-GW	WG	RTP 7	3	1		2	1						N1			
MW-05	6-23-05	1700	G	mw-05-GW	WG	11	3	1		2	1		2	2			N1			
TRIP BLANK	6-23-05	—	G	TB-6-23-05	WQ	3	3										TB1			

MATRIX CODES
AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES
TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Bob Fabian	6-23-05	1820	STZ	06/23/05	1820

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS
* Combine bottles for Analysis
- 7 Day Turnaround on CN
602.0°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CoICR/GCM

643\6396

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11173977.84200

SITE NAME NYSEG - Transit

SAMPLERS (PRINT/SIGNATURE) Bob Fabian / Bob Fabian Rob MURPHY / R. Murphy

DELIVERY SERVICE: DROP OFF AIRBILL NO.:

LAB STL

COOLER 1 of 4

PAGE 1 of 1

TESTS

BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TCL VOA 40 ml HCl	T Phenols 8oz Amber H_2SO_4	Sulfide 8oz Plastic ZnAc+NaOH	T CN * 4oz Plastic NaOH	TAL 16oz Plastic HNO_3	S Fe 8oz Plastic HNO_3	PCB 1 Lt. Glass	TCL SVOA 1 Lt. Glass	TAL Metals, Hg, Nitrate, SO4, TDS 1 Lt. Plastic	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
BMW-04-14	6.22.05	0840	G	Bmw-04-14-GW	WG	14	3	1	1	2	1	1	2	2	1		N1			
SMW-04-5D		1010		Smw-04-5D-GW		11	3	1		2	1		2	2			N1			
SMW-11		1235		SMW-11-GW		RT 19	3	1		2	1		1	1			N1			
BMW-04-10		1710		BMW-04-10-GW		14	3	1	1	2	1	1	2	2	1		N1			
TRIP BLANK		—	G	TB-6-22-05	WQ	3	3										TB1			

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Bob Fabian	6.22.05	1830	[illegible]	6/22/05	1830
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS
* Combine bottles before Anelysis
- 7 Day Turneround on CN

Distribution: Original accompanies shipment, copy to coordinator field files

644\6396

METHOD 8260 - TCL VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 061801

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
29	MW-18-GW	A5627802	94		140	*	96							1
30	MW-19-GW	A5627803	86		93		89							0
31	SMW-03D-GW	A5637603	86		82		92							0
32	SMW-04-S/D-GW	A5646302	90		90		94							0
33	SMW-10-GW	A5627801	85		90		87							0
34	SMW-11-GW	A5646303	90		85		90							0
35	TB-6-17-05	A5627806	94		106		98							0
36	TB-6-21-05	A5637606	85		80		90							0
37	TB-6-23-05	A5653806	85		78		91							0
38	TRIP BLANK	A5646305	83		82		88							0
39	VBLK13	A5B1020302	88		87		93							0
40	VBLK14	A5B1020402	88		83		93							0
41	VBLK33	A5B1033402	86		81		91							0
42	VBLK36	A5B1045302	85		79		91							0
43	VBLK37	A5B1025802	85		77		91							0
44	VBLK39	A5B1078102	86		76		91							0
45	VBLK40	A5B1079402	85		76		92							0
46	VBLK42	A5B1076802	96		97		102							0
47	VBLK67	A5B1015104	88		94		88							0
48	VBLK68	A5B1015102	92		93		94							0

QC LIMITS

BFB = p-Bromofluorobenzene (74-120)
DCE = 1,2-Dichloroethane-D4 (73-136)
TOL = Toluene-D8 (77-122)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

8/5/10 SM

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-01-GW\MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 061801

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	10288.5898		200.0000	U	10000.00	102.9		P
Antimony	75 - 125	203.5700		20.0000	U	200.00	101.8		P
Arsenic	75 - 125	197.7400		10.0000	U	200.00	98.9		P
Barium	75 - 125	287.0200		80.0500		200.00	103.5		P
Beryllium	75 - 125	188.8500		2.0000	U	200.00	94.4		P
Cadmium	75 - 125	192.2200		1.0000	U	200.00	96.1		P
Calcium		170384.9063		166647.2969		10000.00	37.4		P
Chromium	75 - 125	200.3300		6.2200		200.00	97.1		P
Cobalt	75 - 125	195.1900		4.0000	U	200.00	97.6		P
Copper	75 - 125	198.5300		10.0000	U	200.00	99.3		P
Iron	75 - 125	9688.0400		203.0300		10000.00	94.9		P
Lead	75 - 125	196.8900		5.0000	U	200.00	98.4		P
Magnesium		55381.2813		47508.7500		10000.00	78.7		P
Manganese	75 - 125	276.9600		89.2900		200.00	93.8		P
Nickel	75 - 125	196.4900		10.0000	U	200.00	98.2		P
Potassium	75 - 125	29309.4492		17731.5703		10000.00	115.8		P
Selenium	75 - 125	183.4500		15.0000	U	200.00	91.7		P
Silver	75 - 125	49.3300		3.0000	U	50.00	98.7		P
Mercury	75 - 125	4.9833		0.2000	U	6.67	74.7	N	CV
Sodium		448734.8125		455457.6875		10000.00	-67.2		P
Thallium	75 - 125	195.4600		20.0000	U	200.00	97.7		P
Vanadium	75 - 125	195.1100		5.0000	U	200.00	97.6		P
Zinc	75 - 125	189.7100		20.0000	U	200.00	94.9		P

8/5/05

Comments: _____

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-01-GW\SD

Contract: NY04-599

Lab Code: STLBFLO Case No.: SAS No.: SDG NO.: 061801

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	9849.2402		200.0000	U	10000.00	98.5		P
Antimony	75 - 125	191.6000		20.0000	U	200.00	95.8		P
Arsenic	75 - 125	189.7200		10.0000	U	200.00	94.9		P
Barium	75 - 125	276.0900		80.0500		200.00	98.0		P
Beryllium	75 - 125	180.4400		2.0000	U	200.00	90.2		P
Cadmium	75 - 125	184.2200		1.0000	U	200.00	92.1		P
Calcium		164736.0938		166647.2969		10000.00	-19.1		P
Chromium	75 - 125	189.9400		6.2200		200.00	91.9		P
Cobalt	75 - 125	186.7000		4.0000	U	200.00	93.4		P
Copper	75 - 125	190.1200		10.0000	U	200.00	95.1		P
Iron	75 - 125	9276.7002		203.0300		10000.00	90.7		P
Lead	75 - 125	189.6900		5.0000	U	200.00	94.8		P
Magnesium		53535.5117		47508.7500		10000.00	60.3		P
Manganese	75 - 125	269.1600		89.2900		200.00	89.9		P
Nickel	75 - 125	186.5800		10.0000	U	200.00	93.3		P
Potassium	75 - 125	27838.6602		17731.5703		10000.00	101.1		P
Selenium	75 - 125	176.1100		15.0000	U	200.00	88.1		P
Silver	75 - 125	47.1600		3.0000	U	50.00	94.3		P
Mercury	75 - 125	4.7833		0.2000	U	6.67	71.7	N	CV
Sodium		431920.9063		455457.6875		10000.00	-235.4		P
Thallium	75 - 125	192.0400		20.0000	U	200.00	96.0		P
Vanadium	75 - 125	185.6900		5.0000	U	200.00	92.8		P
Zinc	75 - 125	183.4500		20.0000	U	200.00	91.7		P

4/5/05 m

Comments:

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-19-GW\MS

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 061801

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	10556.7002		200.0000	U	10000.00	105.6		P
Antimony	75 - 125	235.4100		20.0000	U	200.00	117.7		P
Arsenic	75 - 125	214.5200		10.0000	U	200.00	107.3		P
Barium	75 - 125	292.3800		89.8800		200.00	101.2		P
Beryllium	75 - 125	205.6000		2.0000	U	200.00	102.8		P
Cadmium	75 - 125	198.2900		1.0000	U	200.00	99.1		P
Calcium		189046.2969		177229.7031		10000.00	118.2		P
Chromium	75 - 125	204.8700		4.1400		200.00	100.4		P
Cobalt	75 - 125	201.0300		4.0000	U	200.00	100.5		P
Copper	75 - 125	215.0400		10.0000	U	200.00	107.5		P
Iron	75 - 125	10601.5801		583.6800		10000.00	100.2		P
Lead	75 - 125	204.9400		5.0000	U	200.00	102.5		P
Magnesium		50622.5898		40295.0313		10000.00	103.3		P
Manganese	75 - 125	226.1600		22.1600		200.00	102.0		P
Nickel	75 - 125	198.0900		10.0000	U	200.00	99.0		P
Potassium	75 - 125	40990.7695		27288.9707		10000.00	137.0	N	P
Selenium	75 - 125	210.2800		15.0000	U	200.00	105.1		P
Silver	75 - 125	51.7600		3.0000	U	50.00	103.5		P
Mercury	75 - 125	7.0667		0.2000	U	6.67	105.9		CV
Sodium		905170.3125		891342.8125		10000.00	138.3		P
Thallium	75 - 125	196.9300		20.0000	U	200.00	98.5		P
Vanadium	75 - 125	205.8400		5.0000	U	200.00	102.9		P
Zinc	75 - 125	215.0700		20.0000	U	200.00	107.5		P

8/8/05 DM

Comments: _____

STL BUFFALO

U R S Corporation

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

MW-19-GW\SD

Contract: NY04-599

Lab Code: STLBFLO Case No.: SAS No.: SDG NO.: 061801

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	10570.5098		200.0000	U	10000.00	105.7		P
Antimony	75 - 125	239.1600		20.0000	U	200.00	119.6		P
Arsenic	75 - 125	216.5000		10.0000	U	200.00	108.2		P
Barium	75 - 125	294.3800		89.8800		200.00	102.2		P
Beryllium	75 - 125	207.0400		2.0000	U	200.00	103.5		P
Cadmium	75 - 125	199.2300		1.0000	U	200.00	99.6		P
Calcium		191889.5000		177229.7031		10000.00	146.6		P
Chromium	75 - 125	205.3000		4.1400		200.00	100.6		P
Cobalt	75 - 125	202.5400		4.0000	U	200.00	101.3		P
Copper	75 - 125	216.5700		10.0000	U	200.00	108.3		P
Iron	75 - 125	10648.5703		583.6800		10000.00	100.6		P
Lead	75 - 125	206.3200		5.0000	U	200.00	103.2		P
Magnesium		51219.9688		40295.0313		10000.00	109.2		P
Manganese	75 - 125	228.2600		22.1600		200.00	103.0		P
Nickel	75 - 125	199.7000		10.0000	U	200.00	99.8		P
Potassium		41570.7305		27288.9707		10000.00	142.8	N	P
Selenium	75 - 125	213.9200		15.0000	U	200.00	107.0		P
Silver	75 - 125	52.8700		3.0000	U	50.00	105.7		P
Mercury	75 - 125	7.1167		0.2000	U	6.67	106.7		CV
Sodium		917989.0000		891342.8125		10000.00	266.5		P
Thallium	75 - 125	199.1800		20.0000	U	200.00	99.6		P
Vanadium	75 - 125	208.0100		5.0000	U	200.00	104.0		P
Zinc	75 - 125	216.6200		20.0000	U	200.00	108.3		P

8/5/05 jm

Comments:

U R S Corporation

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-19-GWL

Contract: NY04-599

Lab Code: STLBFLO Case No.: _____ SAS No.: _____ SDG NO.: 061801

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	46.92		1000.00	U	100.0		P
Antimony	20.00	U	100.00	U			P
Arsenic	10.00	U	50.00	U			P
Barium	89.88		91.35		1.6		P
Beryllium	2.00	U	10.00	U			P
Cadmium	1.00	U	5.00	U			P
Calcium	177229.70		173418.91		2.2		P
Chromium	4.14		20.00	U	100.0		P
Cobalt	4.00	U	20.00	U			P
Copper	6.42		50.00	U	100.0		P
Iron	583.68		600.90		3.0		P
Lead	1.52		25.00	U	100.0		P
Magnesium	40295.03		39875.95		1.0		P
Manganese	22.16		21.75		1.9		P
Nickel	3.14		50.00	U	100.0		P
Potassium	27288.97		21528.55		21.1	E	P
Selenium	3.69		75.00	U	100.0		P
Silver	3.00	U	15.00	U			P
Sodium	891342.81		872951.00		2.1		P
Thallium	20.00	U	100.00	U			P
Vanadium	5.00	U	25.00	U			P
Zinc	9.03		100.00	U	100.0		P

8/5/05

Comments: _____

Date : 07/28/2005 13:59:05 Rept: AN0364

SAMPLE DATE 06/23/2005

SDG: 061801

Client Sample ID: MW-01-GW MW-01-GW MW-01-GW
Lab Sample ID: A5653803 A5653803MS A5653803SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS METHOD 420.1 - TOTAL RECOVERABLE PHENO	MG/L	0.00400	0.0650	0.0620	0.100	0.100	61	58 *	60	5	20.0	60-143

8/5/05

54081\6396

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

Date : 07/28/2005 13:59:05 Rept: AN0364

SAMPLE DATE 06/21/2005

SDG: 061801
Client Sample ID: BMW-04-08-GW BMW-04-08-GW
Lab Sample ID: A5637605 A5637605MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
METHOD 310.1 - TOTAL ALKALINITY	MG/L	326.3	400.6	100.0	74	22-128
METHOD 376.2 - SULFIDE	MG/L	0.256	0.920	0.500	133 *	90-110

8/5/05

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* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo