

New York State Electric & Gas Corporation

Bridge Street Former Manufactured Gas Plant Plattsburgh, New York

2004 ANNUAL OPERATION, MAINTENANCE, AND MONITORING SUMMARY REPORT

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1.0 INTRODUCTION

On behalf of NYSEG (New York State Electric and Gas Corporation), URS Corporation – New York (URS) has prepared this 2004 Annual Operation, Maintenance, and Monitoring Summary Report (2004 OM&M Report) for NYSEG's former Manufactured Gas Plant (MGP) on Bridge Street in the City of Plattsburgh, Clinton County, New York (site ID #5-10-016). The site location is shown on Figure 1.

The New York State Department of Environmental Conservation (NYSDEC) and NYSEG entered into an Order on Consent (D0-0002-9309) on March 30, 1994 (the Order). Under this Order, NYSEG agreed to investigate and remediate 33 former MGP sites in New York State. The remedial investigation of the Plattsburgh-Bridge Street former MGP site has been completed under the Order. The *Remedial Investigation Report (RIR)*, dated January 15, 2004 presented the findings of the remedial investigation (RI). In 2001, during the RI, NYSEG conducted an interim remedial measure (IRM) to locate the former gas holder and remove it and impacted soil at and near the site. The NYSDEC approved the *RIR* on January 20, 2004 and prepared a *Proposed Remedial Action Plan (PRAP)* for public review and comment. Following the public comment period, the NYSDEC issued its *Record of Decision (ROD)* in March 2004 that outlined the remedial plan for the site. NYSEG prepared an *Operation, Maintenance, & Monitoring Plan (OM&M Plan)*, which the NYSDEC approved on August 17, 2004.

The activities summarized in this 2004 OM&M Report were conducted in accordance with the approved OM&M Plan. Activities include passive soil vapor sample collection, well inspections, bedrock groundwater sampling, and decommissioning of three monitoring wells and one angled bedrock boring.

This 2004 OM&M Report has six sections. The scope of field activities is summarized in Section 2.0. A summary of the laboratory analytical result is in Section 3.0. A summary of findings is in Section 4.0. Recommendations are in Section 5.0. Section 6.0 list the references used to prepare this report.



2.0 SCOPE OF WORK

This section describes the activities that were completed during the September 2004 annual site inspection and sampling event at the site in accordance with the requirement of the March 2004 *ROD* and the *OM&M Plan*. The four tasks completed in September 2004 include:

- Task 1 Soil Vapor Sampling
- Task 2 Annual Well Inspection and NAPL Monitoring
- Task 3 Annual Groundwater Monitoring
- Task 4 Monitoring Well Decommissioning

The following subsections describe each of these tasks.

2.1 SOIL VAPOR SAMPLING

On September 13, 2004 URS installed ten passive soil vapor survey modules at the locations shown on Figure 2. A pilot hole was advanced at each location by driving a one-inch diameter steel rod. The modules were then attached to a new nylon cord and installed just above the water table or top of bedrock, whichever was most shallow, using the stainless steel insertion rod. The sample modules were set at depths between 3.5 and 5.0 feet below the ground surface (bgs) as shown on Table 1. The cord was attached to a cork, which was tamped flush to the ground. The cork was covered with sod and marked with a wooden stake to assist with subsequent locating and retrieval of the modules.

On September 27, 2004, URS retrieved the sampling modules. The modules were placed in their respective designated shipping vials and shipped in coolers to the W.L. Gore analytical laboratory (Gore). The retrieval date and time were noted on the COC and are summarized on Table 1. The modules were analyzed for VOCs and SVOCs by Gore's expanded target compound list (A4) plus styrene, indane, and indene using modified EPA Methods 8260 and 8270.

2.2 ANNUAL WELL INSPECTION AND NAPL MONITORING

On September 14 and 15, 2004, URS measured water levels in each well using an electronic water level indicator and checked for the presence of NAPL. The observations are summarized on Table 2. The monitoring wells and general site conditions were inspected for damage. No physical damage was observed at any of the monitoring wells and site conditions were generally unchanged since URS' previous site visit on September 22, 2003.

2.3 ANNUAL GROUNDWATER MONITORING

On September 15 and 16, 2004 URS collected groundwater samples from nine bedrock groundwater monitoring wells (MW-1B, MW-2B, MW-3B, MW-6B, MW-7BS, MW-7BD, MW-9B, MW-10B, and MW-11B).

The monitoring wells were purged on September 15, 2004 using disposable bailers. Field parameters, including pH, specific conductivity, temperature, and turbidity, were monitored during purging. The field parameters were recorded on the groundwater purging and sampling

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forms (Appendix A). The monitoring wells were purged until dry or the field parameters had stabilized to within \forall 0.1 pH unit, \forall 0.2 degree Celsius (°C), and \forall 10 percent on the remaining parameters over three consecutive readings. Monitoring well purge data are summarized on Table 2.

The samples were collected on September 16, 2004 within 24 hours of purging using disposable bailers. The samples were placed into laboratory provided sampling containers in the following order: benzene, toluene ethylbenzene, and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), total phenols, and total cyanide. The samples were placed in coolers with sufficient ice or icepacks to maintain a temperature of 4°C.

The nine groundwater samples, one field duplicate sample, and one trip blank were shipped by Federal Express to Analytical Services Center (ASC) in Lancaster, New York. The nine groundwater samples and one field duplicate were analyzed for BTEX by USEPA SW-846 Method 8021B, PAHs by USEPA SW-846 Method 8270C, total phenol by USEPA SW-846 Method 9065M, and total cyanide by USEPA SW-846 Method 335.3. The trip blank was analyzed for BTEX only. The contracted laboratory provided standard analytical summary deliverable package (Appendix C). The laboratory analytical results are discussed in Section 3.2.

2.4 MONITORING WELL DECOMMISSIONING

On September 13 and 14, 2004 URS decommissioned the angled boring and three bedrock monitoring wells (MW-7DD, MW-8B, and MW-8BD). The *ROD* required that the angled boring beneath the former gas holder and monitoring wells that are not part of the long-term monitoring program be decommissioned. Bedrock groundwater monitoring wells MW-7DD, MW-8B, and MW-8BD are not included in the long-term monitoring plan because they did not produce sufficient groundwater to provide representative samples.

Prior to decommissioning, the angled boring and the three bedrock monitoring wells were checked for the presence of accumulated NAPL. No indications of NAPL were observed in monitoring wells MW-7DD, MW-8B, and MW-8BD. When the 4-inch diameter by 48-inch long packer in the angled boring was removed, NAPL was observed on the top of and coating the sides of the packer. Photographs of the packer and PVC material are included in Appendix E. In addition, smears of NAPL were observed on the PVC piping that secured the packer in place. The NAPL on the PVC appeared to be from the PVC sliding against the wall of the boring as it was removed. No accumulated NAPL was observed in the angled boring below the packer. As discussed on a December 3, 2004 telephone conversation between the NYSDEC, NYSEG, and URS, the amount of NAPL observed on the packer did not represent a recoverable amount and that additional investigation is not warranted. The detection of NAPL in the angled boring above the packer is consistent with the findings summarized in the *RI Report*.

Water that had accumulated in the angled boring and monitoring wells was removed from each boring using a submersible pump that was placed at the bottom of the boring. Approximately 45 gallons of water was removed from the angled boring. A sheen and traces of NAPL were observed in the water removed from the angled boring.

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The borings were then pressure grouted with a cement-bentonite grout mixture to two feet below the ground surface using a tremie pipe. The casings were cut off to a depth of approximately two-feet below the ground surface. Once the grout has cured for at least 24 hours, the remaining portion of the boring were filled with topsoil, graded, and seeded.



3.0 LABORATORY ANALYTICAL RESULTS

This section summarizes the laboratory analytical data for the ten passive soil vapor samples and the nine bedrock groundwater samples.

3.1 SOIL VAPOR SAMPLES

The analytical results for the passive soil gas samples are summarized on Table 3 and on Figure 2. The results of the analyses are reported in microgram per sorber (μg). The mass of compounds detected in the sample modules is not a concentration, but is indicative of the concentrations of the compounds in soil vapor.

Target compounds were detected in six out of the ten samples (PSV-04-02, PSV-04-03, PSV-04-04, PSV-04-08, PSV-04-09 and PSV-04-10). The following compounds were detected in one or more sample module.

Summary of Compounds Detected in Passive Soil Vapor Samples (September 2004)

Compound	Number of Detects (out of 10)	Detection Limit (μg)	Maximum (μg)
Benzene	5	0.03	0.08 at PSV-04-03
Toluene*	1	0.02	0.04 at PSV-04-04
Xylene*	1	0.02	0.02 at PSV-04-02
Tetrachloroethene	1	0.03	19.56 at PSV-04-09

^{*}Compound was also detected in the trip blank

As shown, benzene was the most frequently detected compound. Detected concentrations of benzene ranged from $0.03~\mu g$ at PSV-04-10 to $0.08~\mu g$ at PSV-04-03. Benzene ($0.05\mu g$) was detected in one of four samples collected along the western side of the apartment complex (PSV-04-05).

Toluene (0.04 μg at PSV-04-04) and xylenes (0.02 μg at PSV-04-02) were each detected in one field sample. Both toluene (0.05 μg) and xylene (0.03 μg) were also detected in the trip blank. Since the reported values in the field samples are less than the reported value for the trip blank, the presence of toluene and xylene in soil vapor can not be confirmed based on the sample results.

Tetrachloroethene (PCE) was detected in one sample (19.56 µg at PSV-04-09). Sample location PSV-04-09 is west of the former firehouse and outside of the area excavated during the 2001 IRM. PCE was detected during the remedial investigation at trace concentrations in three surface and near surface soils. However, PCE is not considered to be related to MGP activities.

3.2 GROUNDWATER SAMPLES

The groundwater analytical results for the bedrock groundwater samples collected on September 2004 are summarized in Table 4. The well locations are shown on Figure 3.



Benzene, Toluene, Ethybenzene, and Xylene

Concentrations of total BTEX ranged from 0.791 μ g/L at MW-9B to 7,020 μ g/L at MW-2B (duplicate sample). The following BTEX compounds were detected in one or more bedrock groundwater samples.

Summary of BTEX Compounds Detected in Bedrock Groundwater (September 2004)

Compound	Number of Detects (out of 9)	NYSDEC GW Standard ^(a) (µg/L)	Number of Exceedences (out of 9)	Maximum Concentration (μg/L)
Benzene	9	1	7	917 at MW-2B*
Ethylbenzene	7	5	3	1,520 at MW-2B (duplicate)*
Toluene	9	5	4	1,790 at MW-2B (duplicate)*
Xylene, total	5	5	4	2,800 at MW-2B (duplicate)*

Notes:

(a) NYSDEC Ambient Water Quality Standard (TOGS 1.1.1, NYSDEC, 1998)

The maximum concentration of all BTEX compounds was detected at MW-2B. As shown in Appendix D, concentrations of BTEX compounds detected in September 2004 were generally less than concentrations detected in 2001 and 2002.

Polyaromatic Hydrocarbons

PAHs were found in seven of the nine bedrock groundwater samples. Where detected, concentrations of total SVOCs ranged from 1.58 μ g/L at MW-10B to 8,377 μ g/L at MW-2B. No PAHs were detected in the samples from MW-1B and MW-3B. The following compounds were detected in one or more bedrock groundwater sample.

Summary of PAHs Detected in Bedrock Groundwater (September 2004)

Compound	Number of Detects (out of 9)	NYSDEC GW Standard ^(a) (µg/L)	Number of Exceedences (out of 9)	Maximum Concentration (μg/L)
2-Methylnaphthalene	4	NS	0	556 at MW-2B*
Acenaphthene	3	[20]	3	94.2 at MW-2B*
Acenaphthylene	6	NS	0	692 at MW-2B*
Anthracene	3	[50]	1	190 at MW-2B*
Benzo(a)anthracene	3	[0.002]	1	122** at MW-2B*
Benzo(a)pyrene	3	[0.002]	1	128** at MW-2B*
Benzo(b)fluoranthene	2	[0.002]	1	54.3** at MW-2B*
Benzo(k)fluoranthene	2	[0.002]	1	79.9** at MW-2B*
Benzo(g,h,c)perylene	2	NS	0	92.9 at MW-2B*
Chrysene	3	[0.002]	1	117** at MW-2B*
Diben(a,h)anthrancene	2	NS	0	13.3 at MW-2B (duplicate)*
Fluoranthene	3	[50]	1	348** at MW-2B*
Fluorene	3	[50]	1	247 at MW-2B*
Indeno(1,2,3-cd)pyrene	2	[0.002]	2	71.5 at MW-2B (duplicate)*
Naphthalene	6	[10]	3	4,130 at MW-2B*

^{*-} NAPL has been detected in the monitoring well. The concentration may not be representative of groundwater quality.



Compound	Number of Detects (out of 9)	NYSDEC GW Standard ^(a) (µg/L)	Number of Exceedences (out of 9)	Maximum Concentration (μg/L)
Phenanthrene	4	[50]	3	950** at MW-2B*
Pyrene	3	[50]	2	520** at MW-2B*

Notes:

(a) - NYSDEC Ambient Water Quality Standard (TOGS 1.1.1, NYSDEC, 1998)

NS - No standard

[] indicates guidance value

PAHs were detected at concentrations that exceed the NYSDEC's groundwater standards at four locations (MW-2B, MW-6B, MW-7BS, and MW-7BD). Concentrations of some PAHs in monitoring wells MW-2B and MW-7BD, where NAPL was observed, exceed solubility limits in water. As shown in Appendix E, concentrations of PAHs detected in September 2004 were generally less than concentrations detected in 2001 and 2002.

Cyanide

Cyanide was not detected at concentrations that exceed the NYSDEC's groundwater standard (200 μ g/L) in any of the nine bedrock groundwater samples. Total cyanides were detected in two of the nine bedrock groundwater samples (MW-7BS [7.9 μ g/L] and MW-11B [3.75 μ g/L]). Cyanide was not detected in MW-1B, MW-2B, MW-6B, MW-7BD, MW-9B, MW-10B, and MW-11B. As shown in Appendix E, the concentrations of cyanide detected in samples collected in September 2004 are consistent with concentrations detected in 2001 and 2002.

Phenol

Phenols were detected in all of the nine groundwater samples. Concentrations of total phenol ranged from 3.72 $\mu g/L$ at MW-9B to 167 $\mu g/L$ at MW-7BS. The NYSDEC groundwater standard for phenols is 1 $\mu g/L$. As shown in Appendix E, the concentrations of phenols detected in samples collected in September 2004 are consistent with concentrations detected in 2001 and 2002.

^{* -} NAPL has been detected in the monitoring well. The concentration may not be representative of groundwater quality.

^{** -} Maximum detected concentration is greater than reported solubility in water.



4.0 SUMMARY AND CONCLUSIONS

General Site Conditions

- No physical damage was observed at any of the monitoring wells and site conditions were generally unchanged since URS' previous site visit on September 22, 2003.
- During the September 2004 site inspection, no indications of NAPL were observed in monitoring wells MW-1B, MW-3B, MW-6B, MW-7DD, MW-8B, MW-8BD, MW-9B, MW-10B, or MW-11B. A strong tar-like odor was detected in MW-7BS. Trace amounts of NAPL were observed in purge water from monitoring wells MW-2B and MW-7BD as well as on the packer in the angled boring. The NAPL in the angled boring was found on top of the packer and on the PVC piping attached to the packer. Recoverable amounts of NAPL were not found in any of the borings or monitoring wells. The locations and amounts of NAPL observed is consistent with previous observations.

Monitoring Well Decommissioning

 On September 13 and 14, 2004 URS decommissioned the angled boring and three bedrock monitoring wells (MW-7DD, MW-8B, and MW-8BD) in accordance with the ROD.

Passive Soil Vapor Samples

- Target compounds were detected in six out of the ten samples (PSV-04-02, PSV-04-03, PSV-04-04, PSV-04-08, PSV-04-09 and PSV-04-10). Benzene was the most frequently detected compound. Detected concentrations of benzene ranged from 0.03 µg at PSV-04-10 to 0.08 µg at PSV-04-03. Benzene (0.05µg) was detected in one of four samples collected along the western side of the apartment complex (PSV-04-05). The detection limit for benzene is 0.03 µg.
- Tetrachloroethene (PCE) was detected in one sample (19.56 µg at PSV-04-09). Sample location PSV-04-09 is west of the former firehouse and outside of the area excavated during the 2001 IRM. PCE was detected during the remedial investigation at trace concentrations in three surface and near surface soils. However, PCE is not considered to be related to MGP activities.

Bedrock Groundwater Samples

- Concentrations of BTEX compounds and PAHs detected in September 2004 were generally less than concentrations detected in 2001 and 2002.
- Concentrations of cyanide and phenols detected in samples collected in September 2004 are consistent with concentrations detected in 2001 and 2002.

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5.0 RECOMMENDATIONS

Based on the results prescribed in this 2004 OM&M Report, URS makes the following recommendations.

- Based on the results of the passive soil vapor samples, further soil vapor monitoring is warranted to confirm the results. NYSEG will prepare a plan to collect additional soil vapor sample data under a separate letter.
- NYSEG will continue to perform annual site inspection and collect groundwater samples in accordance with the ROD and the OM&M Plan. The next event will be in September 2005.

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6.0 REFERENCES

New York State Department of Environmental Conservation, March 2004. Record of Decision – NYSEG Bridge Street Former MGP Site, Plattsburgh, Clinton County, New York – Site Number 5-10-016.

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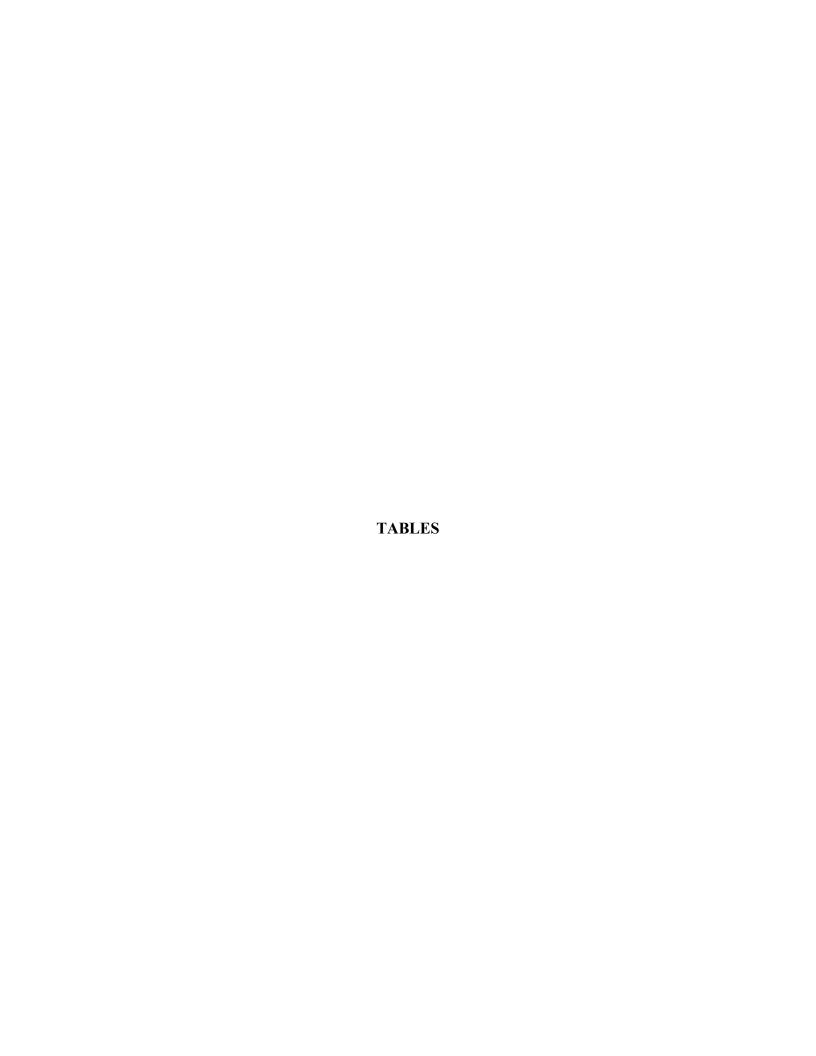


TABLE 1

SUMMARY OF PASSIVE SOIL VAPOR SAMPLES

NYSEG FORMER MGP SITE BRIDGE STREET PLATTSBURGH, NEW YORK

Sample Location	Sample Identification	Date/Time Installed	Date/Time Retrieved	Sample Depth (feet bgs)	Depth to Water Table* (feet bgs)
PSV-04-01	457897	9/13/04 1400	9/27/04 1200	3.5	4.0
PSV-04-02	457899	9/13/04 1000	9/27/04 1208	4.5	NE
PSV-04-03	457901	9/13/04 1250	9/27/04 1220	4.0	4.5
PSV-04-04	457900	9/13/04 1030	9/27/04 1213	5.0	5.0
PSV-04-05	457894	9/13/04 1220	9/27/04 1138	4.0	4.5
PSV-04-06	457893	9/13/04 1150	9/27/04 1130	4.0	4.5
PSV-04-07	457903	9/13/04 1130	9/27/04 1239	4.0	4.5
PSV-04-08	457902	9/13/04 1050	9/27/04 1236	4.5	4.5
PSV-04-09	457896	9/13/04 1430	9/27/04 1153	3.5	4.0
PSV-04-10	457895	9/13/04 1315	9/27/04 1145	3.0	3.5
Trip Blank	457898	-	-	-	-

Notes:

NE - Geoprobe refusal. Groundwater not encountered.

^{*} Depth at which water was encountered in boring.

TABLE 2 SUMMARY OF WATER LEVELS, NAPL CHECKS, AND PURGING DATA SEPTEMBER 2004

NYSEG BRIDGE STREET FORMER MGP SITE PLATTSBURGH, NEW YORK

Well Number	Date	Depth to Water (ft bgs)	Water Elevation (ft msl)	Total Volume Purged (Liters)	NAPL Observations	Specific Conductivity (umhos/cm)	Temperature (°C)	pН	Turbidity	Notes	
Angled Boring	9/15/2004	-	=	-	trace upper portion	-	-	-	-	No sample collected - well abandoned	
MW-1B	9/15/2004	5.35	117.45	110	ND	1,162	11.09	11.29	160	Purged dry	
MW-2B	9/15/2004	4.82	117.50	106	odor, trace NAPL	ı	-	1	-	No parameters collected due to NAPL in water	
MW-3B	9/15/2004	8.32	111.79	125	ND	1,460	12.6	7.25	76	Purged dry	
MW-6B	9/15/2004	4.75	117.15	106	ND	4,409	13.01	12.46	95	Purged dry	
MW-7BD	9/15/2004	6.25	114.81	98	odor, trace NAPL	ı	-	1	-	No parameters collected due to NAPL in water	
MW-7BS	9/15/2004	2.35	118.37	76	odor	1,035	13.87	11.78	74		
MW-7DD	9/15/2004	-	-	-	ND	ī	-	1	-	No sample collected - well abandoned	
MW-8B	9/15/2004	-	-	-	ND	ī	-	1	-	No sample collected - well abandoned	
MW-8BD	9/15/2004	-	-	-	ND	ī	-	1	-	No sample collected - well abandoned	
MW-9B	9/15/2004	14.12	106.94	49	ND	2,195	12.9	11.52	975	Purged dry	
MW-10B	9/15/2004	6.79	115.36	36	ND	907	10.52	7.05	455	Purged dry	
MW-11B	9/15/2004	2.39	117.42	97	ND	2,984	12.21	11.73	>1,000	Purged dry	

ND - No indications of NAPL detected.

TABLE 3

SOIL GAS RESULTS

NYSEG FORMER MGP SITE BRIDGE STREET PLATTSBURGH, NEW YORK

Sample Location Sample Date	PSV-04-01 9/30/04	PSV-04-02 9/30/04	PSV-04-03 9/30/04	PSV-04-04 9/30/04	PSV-04-05 9/30/04	PSV-04-06 9/30/04	PSV-04-07 9/30/04	PSV-04-08 9/30/04	PSV-04-09 9/30/04	PSV-04-10 9/30/04	Trip Blank 9/30/04
Benzene	< 0.03	0.06	0.08	0.07	< 0.03	< 0.03	< 0.03	0.05	< 0.03	0.03	< 0.03
Toluene	< 0.02	< 0.02	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.05
Ethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
m&p-Xylene	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.03
o-Xylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
C11	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
C13	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
C15	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,2,4-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,3,5-Trimethylbenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
trans-1,2-Dichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
cis-1,2-Dichloroethene	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Naphthalene	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
2-Methylnaphthalene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
MTBE	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
1,1-Dichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
1,1,1-Trichloroethane	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
1,2-Dichloroethane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Octane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Tetrachloroethene	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	19.56	< 0.03	< 0.03
1,4-Dichlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Acenaphthene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Acenaphthylene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phenanthrene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Anthracene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluoranthene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Pyrene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Chloroform	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Carbon Tetrachloride	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03

TABLE 3

SOIL GAS RESULTS

NYSEG FORMER MGP SITE BRIDGE STREET PLATTSBURGH, NEW YORK

Sample Location Sample Date	PSV-04-01 9/30/04	PSV-04-02 9/30/04	PSV-04-03 9/30/04	PSV-04-04 9/30/04	PSV-04-05 9/30/04	PSV-04-06 9/30/04	PSV-04-07 9/30/04	PSV-04-08 9/30/04	PSV-04-09 9/30/04	PSV-04-10 9/30/04	Trip Blank 9/30/04
Chlorobenzene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Styrene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Indane	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Indene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Total VOCs/SVOCs	ND	0.08	0.08	0.11	ND	ND	ND	0.05	19.56	0.03	0.08

Notes:

Analyses performed by W.L. Gore & Associates, Inc.

<: Indicates the parameter was not detected above the PQL shown.

Values are reported in micrograms per sorber (ug)

Bold indicates parameter was detected.

TABLE 4
BEDROCK GROUNDWATER ANALYTICAL RESULTS

NYSEG FORMER MGP SITE BRIDGE STREET PLATTSBURGH, NEW YORK

Sample Location Sample Date	NYSDEC GW Standard ^(a)	MW-1B 9/16/04	MW-2B 9/16/04	MW-2B (Duplicate) 9/16/04	MW-3B 9/16/04	MW-6B 9/16/04	MW-7BD 9/16/04	MW-7BS 9/16/04	MW-9B 9/16/04	MW-10B 9/16/04	MW-11B 9/16/04
			Volatile	e Organic Con	npounds (ı	ıg/L)					
Benzene	1	0.643J	917	910	6.59	1.58	464	29.1	0.434J	1.68	2.82
Ethylbenzene	5	<1	987	1,520	0.317J	1.71	279	20.8	<1	0.292J	1.93
Toluene	5	0.382J	1,470	1,790	0.768J	1.61	581	6.1	0.357J	0.475J	5.32
Xylene, total	5	<2	1,800	2,800	<2	4.22	855	19.6	<2	<2	5.58
Total BTEX	NS	1.03	5,174	7,020	7.68	9.12	2,179	75.6	0.791	2.45	15.7
			Semivola	tile Organic C	ompounds	(ug/L)					
Acenaphthene	[20]	<9.43	94.2J	67.4	< 9.52	<9.8	39.4	66	< 9.62	<9.8	<9.71
Acenaphthylene	NS	< 9.43	692	497	< 9.52	4.89J	230J	21.8	1.87J	<9.8	1.17J
Anthracene	[50]	< 9.43	190J	115	< 9.52	<9.8	26.6	8.3J	< 9.62	<9.8	< 9.71
Benzo(a)anthracene	[0.002]	< 9.43	122J	70.2	< 9.52	<9.8	11.9	1.29J	< 9.62	<9.8	< 9.71
Benzo(a)pyrene	[0.002]	< 9.43	128J	69.9	< 9.52	<9.8	10.6	0.982J	< 9.62	<9.8	< 9.71
Benzo(b)fluoranthene	[0.002]	< 9.43	54.3J	31.6J	< 9.52	<9.8	4.94J	< 9.52	< 9.62	<9.8	< 9.71
Benzo(g,h,i)perylene	NS	< 9.43	92.9J	94.2	< 9.52	<9.8	8.08J	< 9.52	< 9.62	<9.8	<9.71
Benzo(k)fluoranthene	[0.002]	< 9.43	79.9J	37.4J	< 9.52	<9.8	5.8J	< 9.52	< 9.62	<9.8	<9.71
Chrysene	[0.002]	< 9.43	117J	67.7	< 9.52	<9.8	11.2	1.2J	< 9.62	<9.8	<9.71
Dibenzo(a,h)anthracene	NS	< 9.43	<243	13.3J	< 9.52	<9.8	1.31J	< 9.52	< 9.62	<9.8	<9.71
Fluoranthene	[50]	< 9.43	348	208	< 9.52	<9.8	46.9	8.69J	< 9.62	<9.8	<9.71
Fluorene	[50]	< 9.43	247	161	< 9.52	<9.8	62.6	17.7	< 9.62	<9.8	<9.71
Indeno(1,2,3-cd)pyrene	[0.002]	<9.43	55.5J	71.5	< 9.52	<9.8	12.4	< 9.52	< 9.62	<9.8	<9.71
2-Methylnaphthalene	NS	<9.43	556	457	< 9.52	5.51J	222J	13.1	< 9.62	<9.8	<9.71
Naphthalene	[10]	<9.43	4,130	4,030	< 9.52	11.1	2,420	147	< 9.62	1.58J	2.42J
Phenanthrene	[50]	< 9.43	950	30J	< 9.52	2.79J	6.06J	52.9	< 9.62	<9.8	<9.71
Pyrene	[50]	< 9.43	520	299	< 9.52	<9.8	56	11	< 9.62	< 9.8	<9.71
Total PAHs	NS	ND	8,377	6,320	ND	24.3	3,176	350	1.87	1.58	3.59
	General Chemistry (ug/L)										
Phenolics, total	1	7.13	106	118	23.4	42.5	31.1	167	3.72J	6.92	18.7
Cyanide, total	200	<10	<10	<10	<10	<10	<10	7.97J	<10	<10	3.75J

TABLE 4

BEDROCK GROUNDWATER ANALYTICAL RESULTS

NYSEG FORMER MGP SITE BRIDGE STREET PLATTSBURGH, NEW YORK

Notes:

Analyses performed by Analytical Services Center.

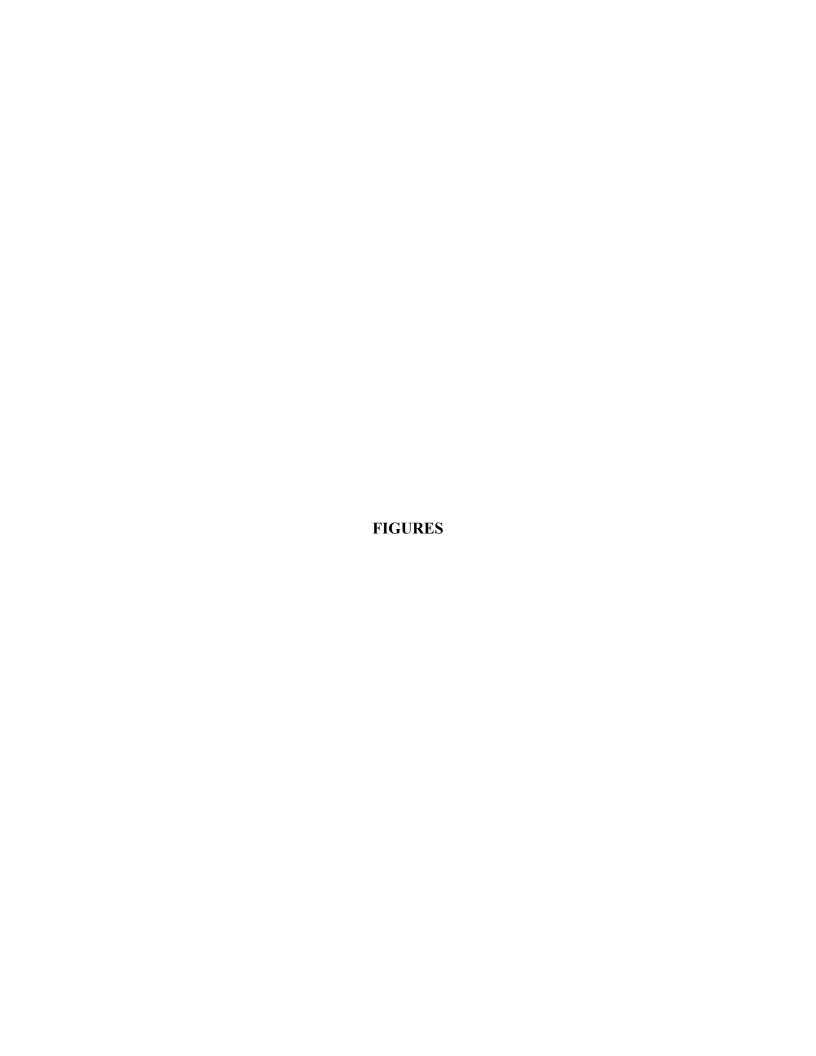
- <: Indicates the parameter was not detected above the PQL shown.
- J: Indicates an estimated concentration between the MDL and PQL.

NS indicates no standard is available.

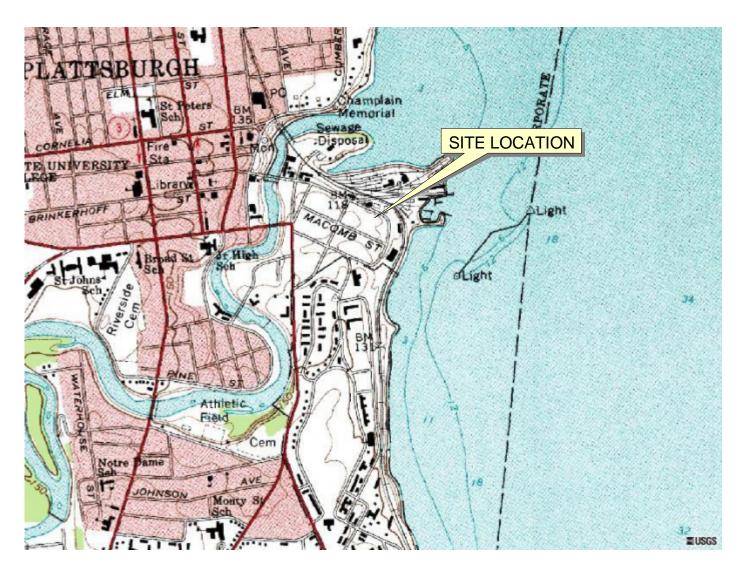
- (a) New York State Groundwater Quality Standard from Division of Water Technical and Operational Guidance Series (NYSDEC, TOGS 1.1.1).
- []: Indicates a Guidance Value.

Bold indicates parameter was detected.

Shading indicates parameter exceeds standard.







Title: SITE LOCATION MAP

Location: BRIDGE STREET FORMER MGP SITE

PLATTSBURGH, NEW YORK

GRAPHIC SCALE

30 60 90 Feet Client:

NYSEG

NEW YORK STATE ELECTRIC AND GAS

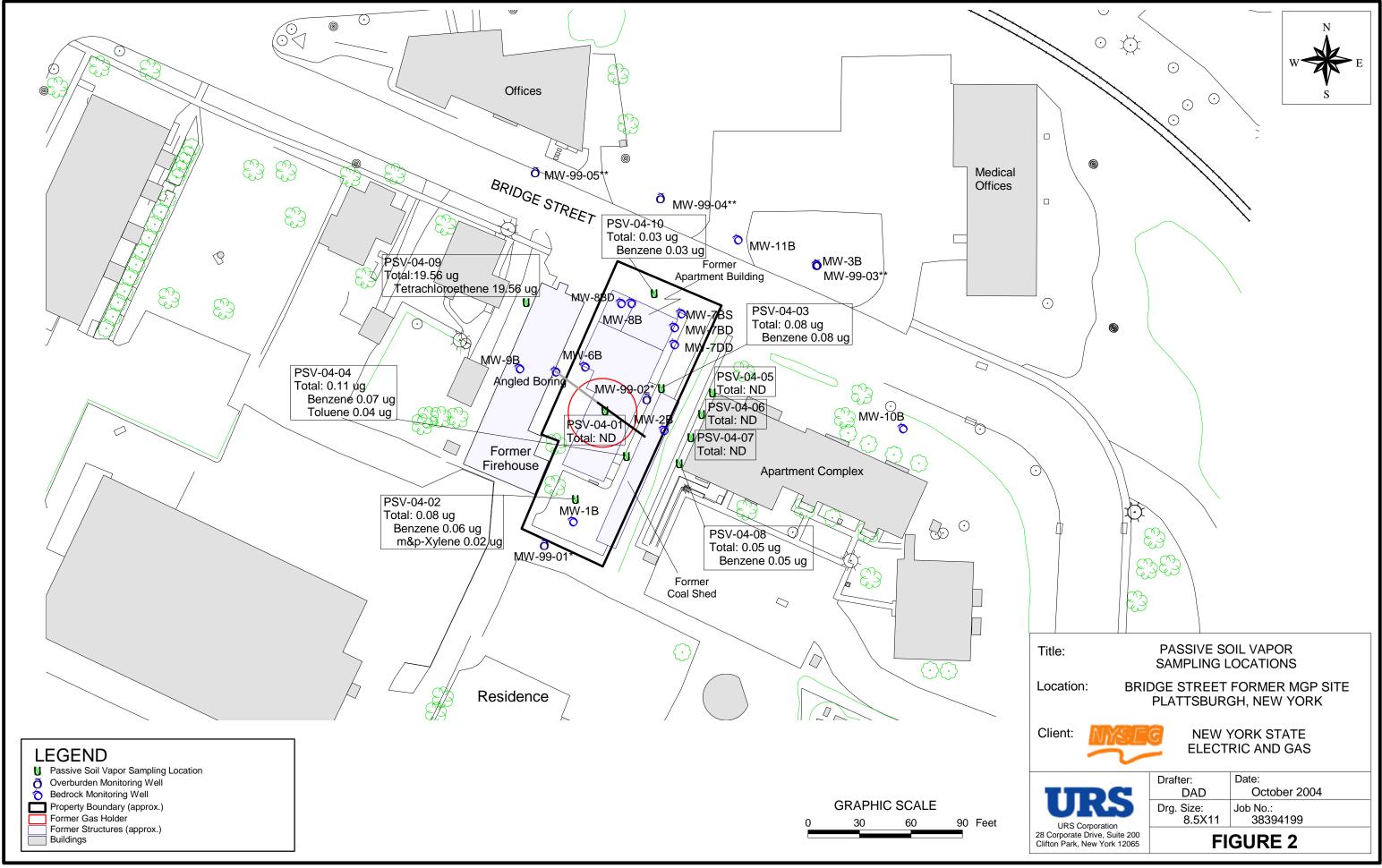
SOURCE:

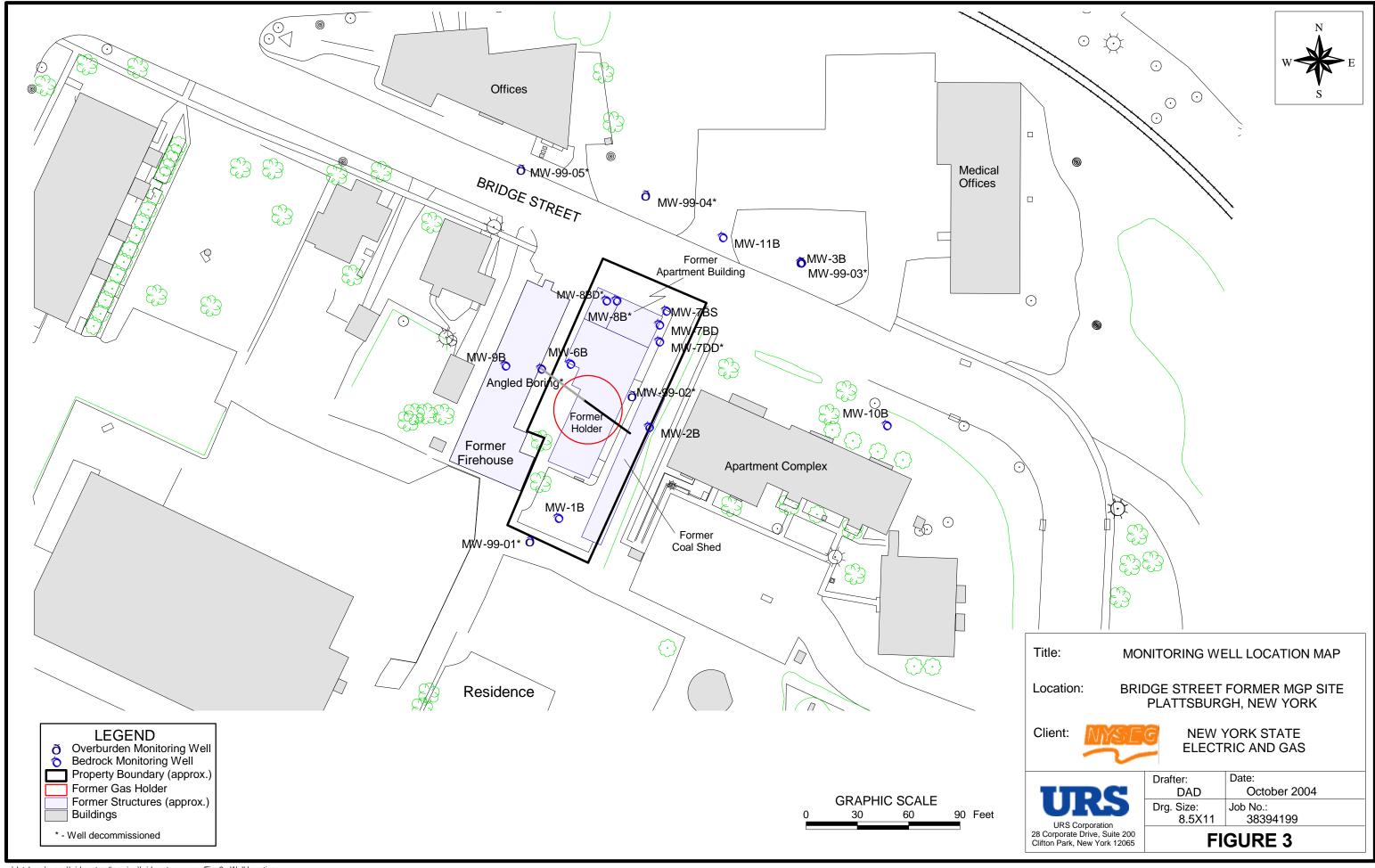
USGS 7 1/2 Minute Series Topographic Map Plattsburgh, New York 1966

URS Corporation 28 Corporate Drive, Suite 200 Clifton Park, New York 12065

Drafter:	Date:
DAD	October 2004
Drg. Size:	Job No.:
8.5X11	38394199

FIGURE 1





APPENDIX A PASSIVE SOIL VAPOR SAMPLE ANALYTICAL REPORT



W. L. GORE & ASSOCIATES, INC.

100 CHESAPEAKE BLVD., P.O. BOX 10 - ELKTON, MARYLAND 21922-0010 - PHONE: 410/392-7600

FAX: 410/506-4780

GORE-SORBER® EXPLORATION SURVEY
GORE-SORBER® SCREENING SURVEY

GORETM Survey for Site Assessment and Monitoring Final Report

NYSEG - Bridge Street Former MGP Site Plattsburgh, NY

10/15/2004

Prepared For: URS Corporation 28 Corporate Drive Clifton Park, NY 12065

W.L. Gore & Associates, Inc.

Written/Submitted by:

Jay W. Hodny, Ph.D., Product Specialist

Reviewed/Approved by:

Jim E. Whetzel, Project Manager

Analytical Data Reviewed by:

Jim E. Whetzel, Chemist

S:\ENVIRONMENTAL\GORE SURVEYS\PROJECTS IN PROGRESS\\11983218\u00fc41015R.DOC

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GORETM Surveys for Site Assessment and Monitoring Final Report

REPORT DATE: 10/15/2004 AUTHOR: JWH

SITE INFORMATION

Site Reference: NYSEG-Bridge Street Former MGP Site, Plattsburgh NY

Customer Purchase Order Number: 38394199

Gore Production Order Number: 11983218 Gore Site Code: CUL.

FIELD PROCEDURES

Modules shipped: 11

Installation Date(s): 9/13/2004

Field work performed by: URS Corporation

Modules Installed: 10

Exposure Time: 14 [days]

Trip Blanks Returned: 1

Retrieval date(s): 9/27/2004

Modules Retrieved: 10

29/04 1:00:00 PM **By:** MM

Date/Time Received by Gore: 09/29/04 1:00:00 PM Chain of Custody Form attached: Yes

Chain of Custody Form attached: Yes Chain of Custody discrepancies: None

Comments:

Module #457898 was identified as a trip blank.

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GORETM Surveys for Site Assessment and Monitoring Final Report

ANALYTICAL PROCEDURES

W.L. Gore & Associates' Screening Module Laboratory operates under the guidelines of its Quality Assurance Manual, Operating Procedures and Methods. The quality assurance program is consistent with Good Laboratory Practices (GLP) and ISO Guide 25, "General Requirements for the Competence of Calibration and Testing Laboratories", third edition, 1990.

Instrumentation consists of state of the art gas chromatographs equipped with mass selective detectors, coupled with automated thermal desorption units. Sample preparation simply involves cutting the tip off the bottom of the sample module and transferring one or more exposed sorbent containers (sorbers, each containing 40mg of a suitable granular adsorbent) to a thermal desorption tube for analysis. Sorbers remain clean and protected from dirt, soil, and ground water by the insertion/retrieval cord, and require no further sample preparation.

Analytical Method Quality Assurance:

The analytical method employed is a modified EPA method 8260/8270. Before each run sequence, two instrument blanks, a sorber containing $5\mu g$ BFB (Bromofluorobenzene), and a method blank are analyzed. The BFB mass spectra must meet the criteria set forth in the method before samples can be analyzed. A method blank and a sorber containing BFB is also analyzed after every 30 samples and/or trip blanks. Standards containing the selected target compounds at three calibration levels of 5, 20, and $50\mu g$ are analyzed at the beginning of each run. The criterion for each target compound is less than 35% RSD (relative standard deviation). If this criterion is not met for any target compound, the analyst has the option of generating second- or third-order standard curves, as appropriate. A second-source reference standard, at a level of $10\mu g$ per target compound, is analyzed after every ten samples and/or trip blanks, and at the end of the run sequence. Positive identification of target compounds is determined by 1) the presence of the target ion and at least two secondary ions; 2) retention time versus reference standard; and, 3) the analyst's judgment.

NOTE: All data have been archived. Any replicate sorbers not used in the initial analysis will be discarded fifteen (15) days from the date of analysis.

Laboratory analysis: thermal desorption, gas chromatography, mass selective detection

Instrument ID: #5 Chemist: CP\JW

Compounds/mixtures requested: A4 plus TICs

Deviations from Standard Method: None

Comments: Soil vapor analytes and abbreviations are tabulated in the Data Table Key

(page 6).

Page 4 of 6

GORETM Surveys for Site Assessment and Monitoring Final Report

DATA TABULATION

CONTOUR MAPS ENCLOSED: No contour maps were requested.

NOTE: All data values presented in Appendix A represent masses of compound(s) desorbed from the GORETM Modules received and analyzed by W.L. Gore & Associates, Inc., as identified in the Chain of Custody (Appendix A). The measurement traceability and instrument performance are reproducible and accurate for the measurement process documented. Semi-quantitation of the compound mass is based on either a single-level (QA Level 1) or three-level (QA Level 2) standard calibration.

General Comments:

- This survey reports soil gas mass levels present in the vapor phase. Vapors are subject to a variety of attenuation factors during migration away from the source concentration to the module. Thus, mass levels reported from the module will often be less than concentrations reported in soil and groundwater matrix data. In most instances, the soil gas masses reported on the modules compare favorably with concentrations reported in the soil or groundwater (e.g., where soil gas levels are reported at greater levels relative to other sampled locations on the site, matrix data should reveal the same pattern, and vice versa). However, due to a variety of factors, a perfect comparison between matrix data and soil gas levels can rarely be achieved.
- Soil gas signals reported by this method cannot be identified specifically to soil
 adsorbed, groundwater, and/or free-product contamination. The soil gas signal
 reported from each module can evolve from all of these sources. Differentiation
 between soil and groundwater contamination can only be achieved with prior
 knowledge of the site history (i.e., the site is known to have groundwater
 contamination only).
- QA/QC trip blank modules were provided to document potential exposures that were
 not part of the soil gas signal of interest (i.e., impact during module shipment,
 installation and retrieval, and storage). The trip blanks are identically manufactured
 and packaged soil gas modules to those modules placed in the subsurface. However,
 the trip blanks remain unopened during all phases of the soil gas survey. Levels
 reported on the trip blanks may indicate potential impact to modules other than the
 contaminant source of interest.

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GORETM Surveys for Site Assessment and Monitoring Final Report

- Unresolved peak envelopes (UPEs) are represented as a series of compound peaks
 clustered together around a central gas chromatograph elution time in the total ion
 chromatogram. Typically, UPEs are indicative of complex fluid mixtures that are
 present in the subsurface. UPEs observed early in the chromatogram are considered
 to indicate the presence of more volatile fluids, while UPEs observed later in the
 chromatogram may indicate the presence of less volatile fluids. Multiple UPEs may
 indicate the presence of multiple complex fluids.
- Stacked total ion chromatograms (TICs) are included in Appendix A. The six-digit serial number of each module is incorporated into the TIC identification (e.g.: 123456S.D represents module #123456).

Project Specific Comments:

- Toluene and m,p-xylene were observed in the trip blank at levels exceeding the
 method detection limit. No other target compounds were detected on the trip blanks
 and/or the method blanks. Thus, target analyte levels reported for the field-installed
 modules that exceed trip and method blank levels, and the analyte method detection
 limit, are more likely to have originated from on-site sources.
- The soil gas mass levels were low in general. Benzene and PCE were the most prevalent compounds.

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GORETM Surveys for Site Assessment and Monitoring Final Report

KEY TO DATA TABLE NYSEG-Bridge Street Former MGP Site, Plattsburgh, NY

UNITS

mg micrograms (per sorber), reported for compounds

MDL method detection limit bdl below detection limit

nd non-detect

ANALYTES

BTEX combined masses of benzene, toluene, ethylbenzene and total xylenes

(Gasoline Range Aromatics)

BENZ benzene
TOL toluene
EtBENZ ethylbenzene
mpXYL m-, p-xylene
oXYL o-xylene

C11,C13&C15 combined masses of undecane, tridecane, and pentadecane (C11+C13+C15)

(Diesel Range Alkanes)

UNDEC undecane
TRIDEC tridecane
PENTADEC pentadecane

TMBs combined masses of 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene

135TMB I,3,5-trimethylbenzene
124TMB 1,2,4-trimethylbenzene
ct12DCE cis- & trans-1,2-dichloroethene
t12DCE trans-1,2-dichloroethene
c12DCE cis-1,2-dichloroethene

NAPH&2-MN combined masses of naphthalene and 2-methyl naphthalene

Combined PAHs combined masses of naphthalene, 2-methyl naphthalene, acenaphthene, acenaphthylene,

fluorene, phenanthrene, anthracene, fluoranthene, and pyrene.

NAPH naphthalene

2MeNAPH
2-methyl naphthalene
MTBE methyl t-butyl ether
PHEN phenanthrene
11DCA 1,1-dichloroethane
CHCl₃ chloroform

111TCAI,1,1-trichloroethane12DCA1,2-dichloroethaneCCI4carbon tetrachlorideTCEtrichloroethene

OCT octane

PCE tetrachloroethene
CIBENZ chlorobenzene
14DCB 1,4-dichlorobenzene

BLANKS

TBn unexposed trip blanks, travels with the exposed modules

method blank QA/QC module, documents analytical conditions during analysis

APPENDIX A:

1. CHAIN OF CUSTODY
2 DATA TABLE
3 STACKED TOTAL ION CHROMATOGRAMS
4 COLOR CONTOUR MAPS

GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Assoc	iates use only	
Production Order #	11983218	

COOC	
Intilkt:	ĺ
Coates lectrologies	l

W. L. Gore & Associates, Inc., Survey Products Group

100 Chesapeake Boulevard • Elkton, Maryland 21921 • Tel: (410) 392-7600 • Fax (410) 506-4780

Instructions: Customer	must complete <u>ALL</u> sho	aded cells		
Customer Name: URS CORPOR			YSEG PLATTSBUR	GH NY
Address: 28 CORPORA	TION DRIVE	Site Address:	Bridge Street	
CLIFTON PAR	RK NY 12065			
U.S.A.	_	Project Manager: S	COTT HULSEAPPL	<u>—————</u>
Phone: (518) 688-0015		Customer Project N	lo.: 12104252	
FAX: (518) 688-0022		Customer P.O. #: 33	8394199 Qi	uote #: 219252
Serial # of Modules Shipped		# of Modules for In	stallation 10 #	of Trip Blanks I
# 457893 - # 457903	# - #	Total Modules Ship		Pieces
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# - #	# - #	Total Modules Insta	iled: /0	Pieces
# - #	# - #	Serial # of Trip Blan	ıks (Client Decides)	#
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# - #	# - #	#	#	#
# - #	# - #	#	#	#
Prepared By: Walling		#.	#	#
Verified By: Mary Co	in Neighin	#	#	#
Installation Performed By:	T T	Installation Method(s) (circle those that a	oply):
Name (please print):Eric_L	ovenduski	Slide Hammer	Hammer Drill	Auger
Company/Affiliation: UKS	5	Other:	<u> </u>	<u>, </u>
Installation Start Date and Time:	9/13	104	10:00	AM PM
Installation Complete Date and Ti	me: 9/2 3	109	(1) 12:37 1430	AM(PM)
Retrieval Performed By:		Total Modules Retrie	eved:#D	Pieces
Name (please print): Ertz		Total Modules Lost i		Pieces
Company/Affiliation: 1	<u>IRS</u>	Total Unused Modul	es Returned:	Pieces
Retrieval Start Date and Time:	9/27	7/04	11:30	(AM) PM
Retrieval Complete Date and Time	9/27	104	12:39	AM (PM)
Relinquished By Marlene	rellowdy Date Time	Received By: 14-S		Date Time
Affiliation: W.L. Gore & Associa	tes, Inc. 4/1/04 8.0 Am	Affiliation:	1 <u>R 5</u>	9/10/04 1500
Relinquished By	Date Time	Received By:	7-1-1	Date Time
Affiliation: URS	9/28/04 1100	Affiliation:	<u> </u>	1774
Relinquished By	Date Time	Received By Make	dero Margh	Date Time
Affiliation		Affiliation: W.L. Go	re & Associates, Inc.	9-21-04 13:00

GOI	RE-SORBE	R® Screening	Survey	_	SITE	NAME &	LOCAT	ION	_			
		Retrieval Log			NY	5 <i>EG</i> - 8	Bridge	Stree	+ For	mer MGP site		
}		`	-		Pla	Hsbur	al NY			111-51 111-51		
Pagei	<u>l</u> of <u>_l</u> ,					1 D1-) F 1.3 :					
						DENCE OF	LIQUID NS (LPH)	1,000				
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i					LPH	<i>eck as appr</i> ODOR	opriate) NONE	YES	TNO			
1.	457893	7/13/04 1150	9/27/04	1130		Jozek	X X	1153	X	PSV-01-06		
2.	457894		7/27/04	1138		<u> </u>	k	 	×	PSV-04-05		
3.	457895		7/27/09	1145			k		X	PSV-04-10		
4.	457896		7/27/04	1153		ĺ	X		ĸ	BV-04-09		
5.	457897	9/13/04 1400	9/27/04	1200]	X	 	X.	10-40-VE		
6.	457898	TRIP BLA	NK		-					TRIP BLANK		
7	457899	9/13/04 1000	7/27/04	1208			¥		×	PSV-04-0Z		
8.	457900		9/27/04	1213			У	X		PSV-04-04		
9	457901	7/13/04 1250	2/27/04	1220	<u> </u>		χ		$\perp_{\mathcal{X}}$	PSV-04-03		
10.	457902		7/27/04		_		メ_		2:	PSV-04-08		
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GORE(TM) SURVEYS FOR SITE ASSESSMENT AND MONITORING ANALYTICAL RESULTS CUSTOM TARGET COMPOUNDS (A7) NYSEG - BRIDGE STREET FORMER MGP SITE, PLATTSBURGH, NY SITE CUL - PRODUCTION ORDER #11983218 URS CORPORATION, CLIFTON PARK, NY

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	CHORIC	014DLC, 003	0.02	P	믿	pu	pu	2	2 7		pu	pu	2 2	2	Du		50		1			0.00	000		00.0
	C11, C13, &C15, III			DII	ug	nd	pu	pu	7		nd	pu	Pu		na		pu			2		0.00	00:00	000	20.2
	oXYL, ug	0.02	PC	21		DU	pu .	pu			21	nd	pu	700	2		рu		ρu	2	000	00'0	00.0	00.0	
	mpXYL, ug	0.02					ng	면	0.02	7	3	υg	ри	1			0.03		Pu		000	0.02	0.01	00'0	
	EtBENZ, ug mpXYL, ug oXYL, ug		200	2	2 7		Pu	nd	lþq	מק	2 7	Da l	p	pu			D D		Pu		0 0	000	0.00	00:0	
	TOL, ug	0.02	2	2	2 2			БП	말	O		2	pu	pu			0.05		pu		0.04	Č	0.0	0.00	
	BENZ, ug	0.03	рu	þ	0 03	200	<u> </u>	ng L	0.06	0.07	0.08	0.0	0.02	ď			פנו		pu		0.08	50	30.0	0.03	
	BTEX, ug BENZ		pu	ρu	0 03	700	2 7	2	0.08	11.0	80.0	0 0	0.05	ρc		0	70:0		pu		0.11	700	50.0	0.04	
SAMPLE	NAME	MDL=	457893	457894	457895	457806	757007	437097	457899	457900	457901	757000	7087C+	457903		457000	437080		method blank		Maximum	Standard Dev		wean	
DATE	ANALYZED		40/06/60	09/30/04	09/30/04	09/30/04	10/06/00	+0.000.00	09/30/04	09/30/04	09/30/04	100/06/00	03/30/04	09/30/04		00/00/00	4000000		09/30/04						

No mdl is available for summed combinations of analytes, in summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS FOR SITE ASSESSMENT AND MONITORING ANALYTICAL RESULTS URS CORPORATION, CLIFTON PARK, NY CUSTOM TARGET COMPOUNDS (A7) NYSEG - BRIDGE STREET FORMER MGP SITE, PLATTSBURGH, NY SITE CUL - PRODUCTION ORDER #11983218

		MALLIAZ-MIN, UG		pd	70		ag.	DQ.	pu	pu	pu	pu	7 4	2	nd		pu		рu		000	0.00	0.00	00:0	
		COMPAND TO THE MARTING TO THE TOTAL		pu	000	25			DI I	DQ	βu	ρu	דים		na		pu		pu		00 0		0.00	0.00	
	135TMB, ug ct12DCE, ug (12DCE, ug c12DCE ug	60 0		nd	pu							pu	pu				uq		pu		00'0			0.00	
	t12DCE, un	0.00	20.0	B	p	Pu	Į.		2 2	2 2	חום 	B	ㅁ	Pu		7			9		0.00	00.0	200	0.00	
	ct12DCE, ua	À .		nd	pu	pu	nd	Pu	Pu	200			nd	pu		Pa					0.00	00.0	00.0	00.00	
	135TMB, ug	0.02		DI I	pu	pu	pu	pu	DQ.	Pu	3	7	DC.	pu		ער	2	1			0.00	0.00	000	200	
	124TMB,	0.02	700	₽ .	nđ	pu	pu	ם	lþq	pu	50	1		P		þ		70			0.01	0.00	00.0		
	TMBs, ug				2	nd	pu	pu	00:0	ы	2		2	pu		P		Pu				00:00	00'0		
	PENTADEC, ug TMBs, ug	0.02	200		, מנו ה	pu	pu	pu	pu	pu	pu	Pu		nd		pu		pu		000	00.0	00'0	00'0		
SAMPLE	NAME	MDL=	457893	457804	+00.04	457895	457896	457897	457899	457900	457901	457902	300101	457903		457898		method blank		Maximum	Oto Sales Control	Standard Dev.	Mean		

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS FOR SITE ASSESSMENT AND MONITORING ANALYTICAL RESULTS CUSTOM TARGET COMPOUNDS (A7) NYSEG - BRIDGE STREET FORMER MGP SITE, PLATTSBURGH, NY SITE CUL - PRODUCTION ORDER #11983218 URS CORPORATION, CLIFTON PARK, NY

<u>}</u>	-						7		
000	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	6.19	0.00	0.00	0.00	0.00	8.0	0.00	0.00	200
0.00	19.56	0.00		30.5	3 6	2	000	000	000
	100	0	5	000	00.00	0.00	00.0	00.0	0.00
		2							
12	1	뒫	2	2	рu	pu	п	pu	pu
							i		
2	2	'n	pu	pu	nd	PC	DQ.	מו	DI.
									3
pu	pu	рu	2			2	2		
מם			2	<u> </u>	2 7	700	1	50	pu
		2 7		2	2	2	힏	пd	덛
		2		P	Pu	pu	pu	pu	nd
2 7	2 2	200		pu	Ъ	pu	pu	nd	2
	2	2		פ	민	pu	pu	nd	밀
≘ 7 	3	2 2			PL	힏	pu	ρu	nd
	91 92	2 2			P	P	Du.	pu	pu
		2 7				9	힏	pu	рu
	2 3	2 7		2	PC	pu	민	pu	рu
0.02	3 7	10.5	L		2	pu	힏	pu	pu
1000 to	100	60 0	0.02		0.04	0.02		0.02	0.03
14008	H.O.	TCE, up OCT, up	TCE, ua	12DCA, ua	11DCA, ug 1111CA, ug	11DCA, ug	MTBE, ug	2MeNAP!	NAPH, ug
	-								

No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS FOR SITE ASSESSMENT AND MONITORING ANALYTICAL RESULTS CUSTOM TARGET COMPOUNDS (A7) NYSEG - BRIDGE STREET FORMER MGP SITE, PLATTSBURGH, NY SITE CUL - PRODUCTION ORDER #11983218 URS CORPORATION, CLIFTON PARK, NY

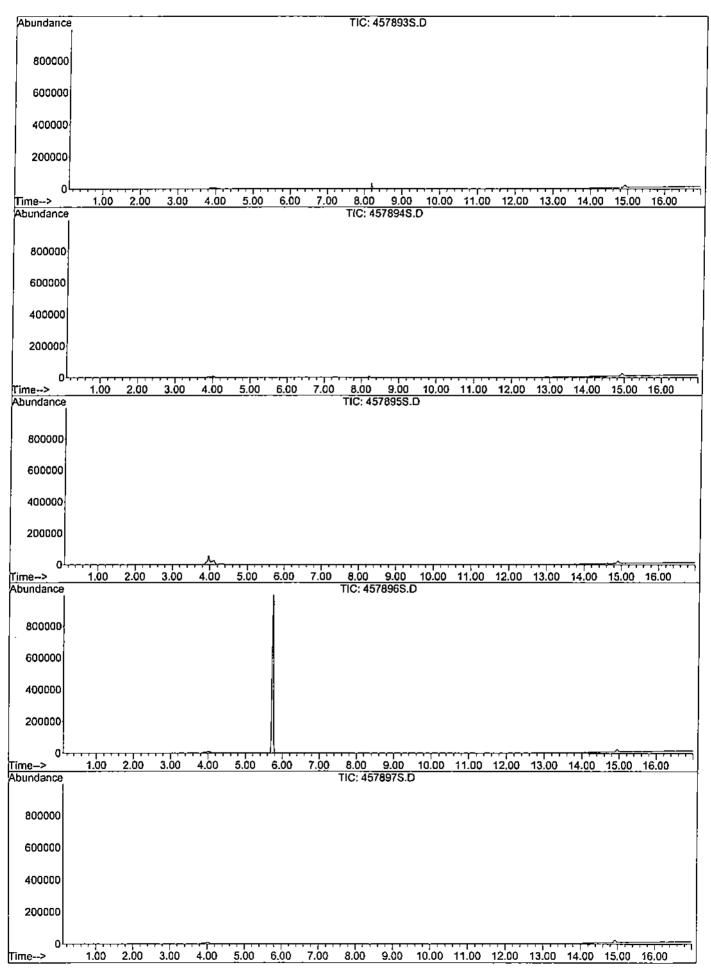
		3	0.03	pu	pu	pu	2	7 (2	pu	힏	2	-	ם	pu		pu		2			0.00	00.0	00.0	
			0.03	pu	pu	pu	DQ.	700		ud	- nd	pu	7	Pu	pu		pu		<u> </u>			0.00	00.0	0.00	
	Organia Organia	So o	0.02	pu	рu	pu	Pu	2	2 7		nd	bu	2	217	pu		미		P		8	0.00	0.00	00.0	
	Fluoranthene		0.02	פ	pu	pu	pu	Pu	2 2		פ	P P	ב		פ		שני		pu		000	0.00	0.00	00.0	
	Anthracene, 110	0 02	7	DIJ.	DU	пd	nd	pu	Pu	2		פר	bu	7.4		1	חום		pu		000		0.00	0.00	
	PHEN, ug		7.5		DI	LIG	2	pu	рU	100	2 7		פ	2		70	2		Pu		00.0	0	20.5	0.00	
	Fluorene, ug	0.02	50	2 3	2 7	DL T		nd	пd	Pu		2	ng.	טק		1	2		Bu		0.00	000	200	0.00	
	Acenaphthylene, ug	0.02	pu	P12		D11	חומ	ud	Pu	pu	70		nd	nd		pu		36			00:0	00.0	000	00:0	
		0.05	PL	Pu		2	2 3		nđ	pu	pu	700	01	рu		pu		72	2	. 1	0.00	0.00	000	200	
SAMPLE	NAME	MDL=	457893	457894	457895	457896	457807	1000	45/888	457900	457901	457902	700101	45/903		457898		method blank			Maximum	Standard Dev.	Mean		

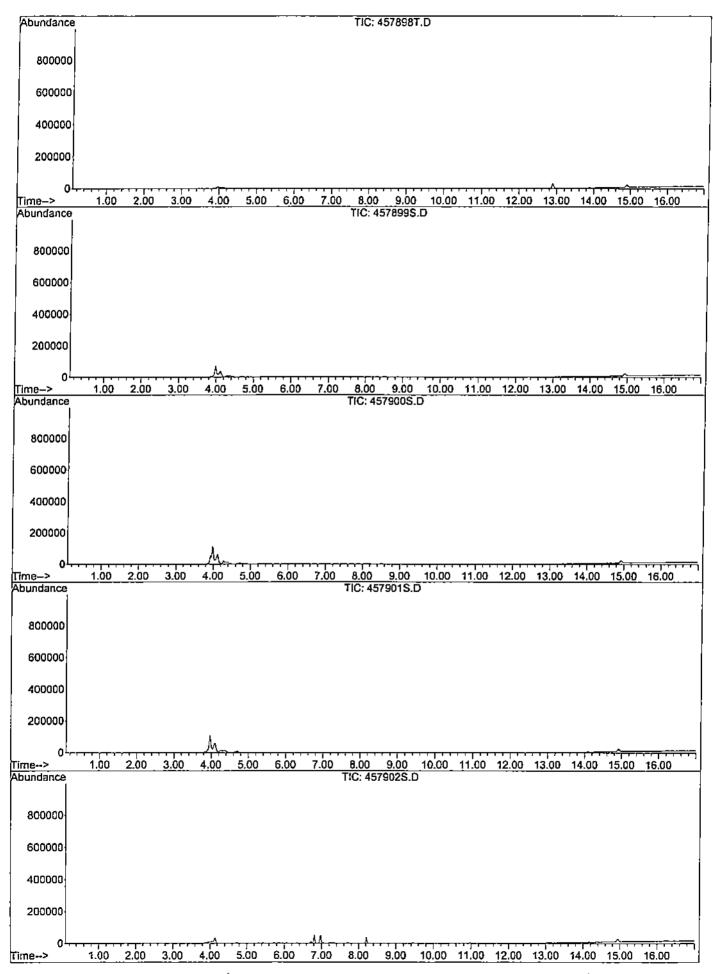
No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

GORE(TM) SURVEYS FOR SITE ASSESSMENT AND MONITORING ANALYTICAL RESULTS CUSTOM TARGET COMPOUNDS (A7) NYSEG - BRIDGE STREET FORMER MGP SITE, PLATTSBURGH, NY SITE CUL - PRODUCTION ORDER #11983218 URS CORPORATION, CLIFTON PARK, NY

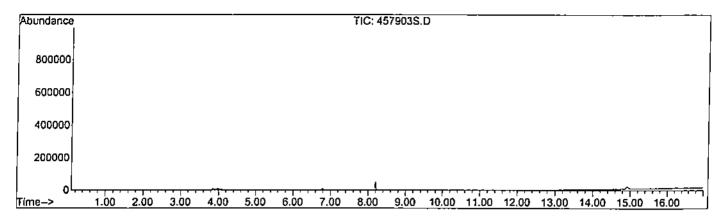
•				
00'0	00.0	00.00	00.00	Mean
00.0	00'0	00.0	0.00	Standard Dev.
00:0	00:0	00.0	00.0	Maximum
Pu	pu	pu	nd	method blank
pu	pu	pu	pu	457898
			_	
200	pu	рu	pu	457903
PL	ρu	pu	nd	457902
100	υď	pu	pu	457901
Pu	pu	pu	pu	457900
	PL	pq	pu	457899
		ρu	pu	457897
	pu	pu	рu	457896
Pu	pu	Pu	pu	457895
	pu	Pu	pu	457894
	pu	Pu	pu	457893
0.02	0.02	0.02	0.02	MDL=
Indene (TIC), un	Indane (TIC), ud	CIBENZ, ug Styrene (TIC), ug Indane (TIC), ug Indene (TIC), un	CIBENZ, ug	NAME
				SAMPLE

No mdl is available for summed combinations of analyles. In summed ESTIMATED if any of the individual compounds were reported as bdl. columns (eg., BTEX), the reported values should be considered





TIC - SITE CUL - PRODUCTION ORDER #11983218
In Numerical Order



APPENDIX B GROUNDWATER SAMPLE FIELD DATA SHEETS

						WELL NO:	MW-18
Field Pers	onnel: EL				Date: Job No.:	9/15/04 Bidge S	
		- 			Location:	Bildar S	freed
						_ 	11
Total Well Dep	th (from top of ca	sing):			40.25	_ feet	
Depth to Water	Surface Before P	urging (from top of cas	ing):		- 5.35	_ fect	
Height of Water	Column:				= 39.9]fect	
Well Diameter ((d):	_ inches	Gals per fl:	$(d^2 \times 0.0408) =$	x 0.653	_	
Volume of Wate	er Column Before	Purging:			<u>= 22.8</u>	gallons	
	er Equal to three \ f Column by 3.0)	Well Volumes:				gallons	
Purging Metho	d: (Bailer/Waterra Pump/	/Submersible P	tump/Peristaltic Pr	ımp		
Tîme	Well Volumes (Gallons)	Specific Conduct. (mmhos/cm or µmhos)	Temp. (°F or °C)	pH (SU)	Turbidity (NTU)	Dissolved Oxygen	Redox Potential
1125	1.0	1026	11.65	11.32	565	(mg/L)	(mV)
1135	10.0	1054	11.22	11.16	2 <u>5</u> 5		
1156	20.0	1162	11.09	11.29	160		
	-well day	@ Z7.021	 	//. = /-	 		
	7				 		
i							
2							
Total Volume of	Water Purged:					gallons	_
Sampling Data:		- Sampling Method: - Depth of Pump intake - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:			feet		
Notes:				•			
	ers obtained before	e sampling					
	ers obtained after						
		BTEL					
		PAH					
		Phenol					
		1					

							WELL NO:	MW-ZB
	Field Pers	onnel: &L	 			Date: Job No.: Location:	9/15/0 Bridge	9
Tota	al Well Dep	th (from top of ca	sing):			<u>36.75</u>	· foot	
			urging (from top of casis				_	
			urging (from top of cash	ng):		- 4.82	_ fcct	
Hei	ght of Water	Column:				= 31.93	fect	
Wel	l Diameter (d): 4/6	_inches	Gals per ft:	$(d^2 \times 0.0408) =$	x 0.653		
Volu	ume of Wate	r Column Before	Purging:			= Z/16	gallons	
Vole		r Equal to three V Column by 3.0)	Vell Volumes:				gallons	
Pur	ging Method	d : (Bailer Waterra Pump/S	Submersible F	Pump/Peristaltic Pt	іт р		
	Time	Well Volumes	Specific Conduct.	Temp.	рĤ	Turbidity	Dissolved	Redox
		(Gallons)	(mmhos/em or µmhos)	(°F or °C)	(SU)	(NTU)	Oxygen (mg/L)	Potential (mV)
	<u> </u>	A NO	PARAMETERS	Cou	ECTED B	c NAPL	blebs in	purgetto.
							_	
ļ					 		-	$\overline{}$
- 1								
ı					_	-		
2				<u>. </u>		- <u> </u>		
Total	Volume of	Water Purged:		_		_ Z8	gallons	
Samp	ling Data:		- Sampling Method: - Depth of Pump intake - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:	ع مطرالان	604 1210	feet Lolybot shu	a n	
Notes		rs obtained before						
2 - Fie	old papamete	ers obtained before	sampling (^ \				
_		-BTEX		UP H	ELE .			
-		- <u>PAH</u>			/			
_		- Cyonik						
_								

WELL NO: MW-3B

	Field Pers	onnel: EL	- -			Date: Job No.: Location:	9/15/04 Bridge St	·-
То	tal Well Dep	th (from top of cas	ing):			60.81	_feet	
De	pth to Water	Surface Before Pu	rging (from top of casi	ng):		- 8·3z	feet	
He	ight of Waler	Column:				= 52.49	_	
We	II Diameter ((d): 4	_inches	Gals per ft:	$(d^2 \times 0.0408) =$	x.653	_	
Vol	ume of Wate	er Column Before	Purging:			= 39.3	gallons	
Vol		er Equal to three W (Column by 3.0)	/ell Volumes:				gallons	
Pur	ging Metho	d: (Bailed Waterra Pump/	Submersible Po	ump/Peristaltie P	ump		
	Time	Well Volumes (Gallons)	Specific Conduct. (mmhos/cm or µmhos)	Temp.	pH (SU)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox Potential (mV)
	0930	ð.5	1525	10.8	8.25	125		——————————————————————————————————————
	0750	10.0	2/38	11.8	8.11	110		
	1000	15.0	1931	12. Z	7.95	105		
	1010	20.0	1409	12.7	1.63	96		
	1017	25.0	1510	12.9	7.5 <u>5</u>	85		
	1032	30.6	1460	12.6	7.25	76		
ı		DP7e 33	<u> </u>		<u> </u>			
2 Tota	Volume of	Water Purged:				_33	gallons	
Sam	pling Data:		- Sampling Method: - Depth of Pump - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:	orbaile; 1/16/04 0940 ND - Sulf ND Clear	Baile or Pump	feet		
	eld paramete	ers obtained before ers obtained after s			•	•		
~ ~ I'I		hd for s	samping STEX PAH					
_			Physis					
-	·		Cyaride					
-			<u> </u>					

Field Personnel Job No.: Location: Job No.: Location: Job No.: Location: Sury St. Total Well Depth (from top of casing): Height of Water Surface Before Purging (from top of casing): Height of Water Column: Well Diameter (d): Well Diameter (d): Well Diameter (d): Well Volume of Water Equal to three Well Volumes: (Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purging Method: Dailier Waterra Pump/Submersible Pump/Peristalire Pump Time Well Volumes Specific Conduct. Temp. (Gallons) (mnhos/em or ("F or "C) (SU) Turbidity Dissolved (mg/L) (mV) 1/2.50							WELL NO:	MW-6B
Total Well Depth (from top of easing): Depth to Water Surface Before Purging (from top of easing): Height of Water Column: Well Diameter (4): Well Diameter (4): Wolume of Water Column Before Purging: Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purging Method: Bailgo Waterra Pump/Submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (minhos/em or pump/submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (minhos/em or pump/submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (minhos/em or pump/submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (minhos/em or pump/submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (minhos/em or pump/submersible Pump/Peristaltic Pump Total Volume of Vater Purged: Sampling Data: Sampling Method: - Depth of Pump intake of bailp: - Sample Date/Time: - Sampling Method: - Depth of Pump intake of bailp: - Sample Date/Time: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Data: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Data: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Data: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Data: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Data: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Data: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Data: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Method: - Depth of Pump intake of bailp: - Sampling Method: - Depth of Pump intake of bailp: - Sam	Field Pers	onnel: EL					9/15/04	
Total Well Depth (from top of easing): Depth to Water Surface Before Purging (from top of easing): Height of Water Column: Well Diameter (d): Well Diameter (d): Volume of Water Column Before Purging: Volume of Water Column Before Purging: Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purging Method: Daily Waterra Pump/Submersible Pump/Peristalfre Pump Time Well Volumes Specific Conduct (Gallons) (mmhos/cm or pumpos) (PF or °C) (SU) (NTU) Oxygen Potential (mV) 12.50 10.00 43.76 12.64 12.17 17.5 13.05 2.00 44.97 13.07 12.46 9.5			_				Bush. St	_ ·
Depth to Water Surface Before Purging (from top of casing): Height of Water Column: Well Diameter (d): Well Diameter (d): Volume of Water Column Before Purging: Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purging Method: Bailgo Waterra Pump/Submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (mmhos/cm or pump/submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (mmhos/cm or pump/submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (mmhos/cm or pump/submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (mmhos/cm or pump/submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Gallons) (mmhos/cm or pump/submersible Pump/Peristaltic Pump Total / 1.0							Mage M.	_
Height of Water Column:	Total Well Dep	th (from top of cas	ing):			<u> 39.0 </u>	feet	
Well Diameter (d): 4	Depth to Water	Surface Before Pu	irging (from top of cas	ing):		<u>- 4.75</u>	_fcei	
Volume of Water Column Before Purging: Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purging Method: Time Well Volumes Specific Conduct. Temp. pH Turbidity Dissolved (NTU) Oxygen Potential (mg/L) (my/L) (m	Height of Water	Column:				= 34.25] fect	
Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purging Method: Bailed Waterra Pump/Submersible Pump/Peristaltic Pump Ph Turbidity Dissolved Redox Oxygen Potential Pump/Submersible Pump/Peristaltic Pump Ph Turbidity Dissolved Redox Oxygen Potential Pump/Submersible Pump/Peristaltic Pump Ph Turbidity Dissolved Redox Oxygen Potential Pump/Submersible Pump/Peristaltic Pump Ph Turbidity Dissolved Redox Pump/Submersible Pump/Peristaltic Pump Ph Turbidity Dissolved Redox Potential Pump/Submersible Pump/Peristaltic Pump Ph Turbidity Dissolved Redox Potential Pump/Submersible Pump/Peristaltic Pump Ph Turbidity Dissolved Potential Pump/Submersible Pump/Peristaltic Pump Ph Turbidity Dissolved Potential Pump/Submersible Pump/Submersible Pump/Peristaltic Pump Ph Pump/Submersible Pump/Peristaltic Pump Ph Pump/Submersible Pump/Submersible Pump/Peristaltic Pump Ph Pump/Submersible Pump/Peristaltic Pump Ph Pump/Submersible Pump/Peristaltic Pump Ph Pump/Submersible Pump/Peristaltic Pump Ph Pump/Submersible Pump/Peristaltic Pump Pump/Submersible Pump/Peristaltic Pump Ph Pump/Submersible Pump/Peristaltic Pump Pump/Submersible Pump/Peristaltic Pump Pump/Submersible Pump/Submersible Pump/Submersible Pump/Peristaltic Pump Pump/Submersible Pump/	Well Diameter (d): 4/6	inches	Gals per ft:	$(d^2 \times 0.0408) =$	<u>× 0.653</u>		
(Volume of Column by 3.0) Purging Method: Bailer Waterra Pump/Submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (mmhos/em or pump) (% For % C) (SU) (NTU) Oxygen Potential (mg/L) (my/L) (my/	Volume of Wate	r Column Before	Purging;			= 2z·37	gallons	
Purging Method: Bailgo Waterra Pump/Submersible Pump/Peristaltic Pump Pimpos			/ell Volumes:				gallons	
Time Well Volumes (Gallons) Specific Conduct. (mmhos/cm or µmhos) (°F or °C) (SU) (NTU) Oxygen Potential (mg/L) (m			Railer Waterra Pumpi	(Submercible 9	tumo /Basistalais Di			
(Gallons) (mmhos/cm or µmhos) (°F or °C) (SU) (NTU) (NTU) (NTU) (Myl) (M	D	(Jung Wateria Fullips	Submersible P	ump/Peristailie Pi	ımp		
Gallons (mmhos/cm or pmhos) (°F or °C) (SU) (NTU) Oxygen (mg/L) (mV)	Time				рН	Turbidity	Dissolved	Redox
12.50		(Gallons)		(°F or °C)	(SU)	1 - 1	Oxygen	Potential
12.50 10.0 439% 17.66 12.53 128 13.07 12.46 95 13.07	1730	1.0		17.64	17 19	12.5	(mg/L)	(mV)
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of baile: - Sample Date/Time: - Odor: - Odor: - Odor: - Sheen/Appearance: - Sied papameters obtained before sampling - Field papameters obtained after sampling BTEX FAH - 12.16 - 95 - 28 gallons - 28 gallons - 28 gallons - 35 feet - 35 feet - 715				1				
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of baile: - Sample Date/Time: - Color: - Odor: - Odor: - Sheen/Appearance: - Sheen/Appearance: - Field parameters obtained before sampling - Field papameters obtained after sampling				, ,			<u></u>	
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of bailor: - Sample Date/Time: - Color: - Color: - Odor: - Odor: - Sheen/Appearance: - Sheen/Appearance: - Field parameters obtained before sampling - Field papameters obtained after sampling BTEX PAH				1,2,0,		13 -		<u> </u>
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of bailgr: - Sample Date/Time: - Color: - Color: - Odor: - Odor: - Sheen/Appearance: - Field parameters obtained before sampling - Field papameters obtained after sampling BTEX PAH - Sampling Method: - Bailer or Pump - AS gallons - AS gallons - AS gallons - AS getter - AS gallons - AS feet			<u> </u>					
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of bailg: - Sample Date/Time: - Sample Date/Time: - Color: - Odor: - Odor: - Sheen/Appearance: - Field parameters obtained before sampling - Field papameters obtained after sampling BTEX PAH	, 		_ 	 				
Sampling Data: - Sampling Method: - Depth of Pump intake of bailg: - Sample Date/Time: - Color: - Odor: - Odor: - Sheen/Appearance: - Field parameters obtained before sampling Bailer or Pump Fall Bailer or Pump Feet - 35 Feet - Sheen/Appearance: - ND G . Cloud y Notes: - Field parameters obtained after sampling BTEX FALL FALL FALL	· · · · · · · · · · · · · · · · · · ·							
- Depth of Pump intake of bailer: - Sample Date/Time: - Pield parameters obtained before sampling - Depth of Pump intake of bailer: - Sample Date/Time: - Pield parameters obtained after sampling - Sheen/Appearance: - Difficulty - All - Field parameters obtained after sampling - BIEX	Total Volume of	Water Purged:		 -		~28 g	gallons	
Notes: 1 - Field parameters obtained before sampling 2 - Field papameters obtained after sampling BTEX PAH	Sampling Data:	- - •	Depth of Pump intake Sample Date/Time: Color: Odor:	9/16/04 31. Clowy ND	1140 1140	feet		
2 - Field papameters obtained after sampling BTEX PAH	Notes:		•					
BTEX PAH								
PAH	: - Field papamete	rs obtained after s						
PHENOLS Cyenile			PAH					
Lyenile			PHENOLS					
			Lyenile					

					WELL NO:	111W-7BD
Field Personnel:				Date:	9/15/04	
<u> </u>	<u></u>			Job No.:	1112101	
-				Location:	BRIDGE:	ST.
Total Well Depth (from to	p of casing):			49.24	_ feet	
Depth to Water Surface Bo	fore Purging (from top of cas	ing):		- 6.25	_ feet	
Height of Water Column:				= 42.99	feet	
Well Diameter (d): 4	inches	Gals per ft:	$(d^2 \times 0.0408) =$	0.653 × 0.43	; =	
Volume of Water Column I	Before Purging:			= 28.0	gallons	
Volume of Water Equal to (Volume of Column b	three Well Volumes: y 3.0)				gallons	
Purging Method:	Bailer Waterra Pump	/Submersible P	ump/Peristaltic Pt	лтр		
Time Well Vol	lumes Specific Conduct.	Temp.	T -u -	T. J. Tr.		 -
(Gallo		(°F or °C)	pH (SU)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox Potential
well fur	460 W/ DISPOS	ABLE B	AILER. A	PARA	re ters	(mV)
	IPL in prize me		10x 269		uncel	Careciel
- */ * 91 12 *	A THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN					
		-044	-			
1						
2						
I 2 Total Volume of Water Purg					gallons	
I 2 Total Volume of Water Purg	ed: - Sampling Method:		Bailer & Pump			
I 2 Total Volume of Water Purg	ed: - Sampling Method: - Depth of Pump intak	e or bailer:	Bailer Pump			
I 2 Total Volume of Water Purg	ed: - Sampling Method: - Depth of Pump intak: - Sample Date/Time:	e or bailer:	Bailer Pump	feet		
I 2 Total Volume of Water Purg	ed: - Sampling Method: - Depth of Pump intak	e or bailer;	Bailer Pump	feet JAL		
I 2 Total Volume of Water Purg	ed: - Sampling Method: - Depth of Pump intak: - Sample Date/Time: - Color:	e or bailer;	Bailer Pump	feet JAL		
Total Volume of Water Purg Sampling Data:	sed: - Sampling Method: - Depth of Pump intak: - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:	e or bailer: 9/16/04 G 0.17 91	Bailer of Pump	feet JAL		
Total Volume of Water Purg Sampling Data: Notes:	ed: - Sampling Method: - Depth of Pump intake - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:	e or bailer: 9/16/04 G 0.17 91	Bailer Pump	feet JAL		
Total Volume of Water Purg Sampling Data: Notes:	ed: - Sampling Method: - Depth of Pump intak: - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:	e or bailer: 9/16/04 G 0.17 91	Bailer Pump	feet JAL		
Total Volume of Water Purg Sampling Data: Notes:	- Sampling Method: - Depth of Pump intak: - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:	e or bailer: 9/16/04 G 0.17 91	Bailer Pump	feet JAL		
Total Volume of Water Purg Sampling Data: Notes: I - Field parameters obtained	- Sampling Method: - Depth of Pump intak: - Sample Date/Time: - Color: - Odor: - Sheen/Appearance: I before sampling I after sampling Brex PAH	e or bailer: 9/16/04 G 0.17 91	Bailer Pump	feet JAL		
Total Volume of Water Purg Sampling Data: Notes: I - Field parameters obtained 2 - Field papameters obtained	- Sampling Method: - Depth of Pump intak: - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:	e or bailer: 9/16/04 G 0.17 91	Bailer Pump	feet JAL		

Field Personnel: Continued							WELL NO:	MW-7B
Total Well Depth (from top of easing): Depth to Water Surface Before Purging (from top of easing): Height of Water Column Well Diameter (d): 4/6 inches Gals per ft: (d² x 0.0408) = x 0.65 2 Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purgling Method: Galler/Waterra Pump/Submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (ref or °C) (SU) (NTU) Oxygen Potential (myl.)	Field Pers	onnel:				Date:	9/1/24	
Total Well Depth (from top of casing): Depth to Water Surface Before Purging (from top of casing): Height of Water Column: Well Diameter (d): 4/6 inches Gals per fl: (d² x 0.0408) = x 0.65 \$ Volume of Water Column Before Purging: Time Well Volumes: (Volume of Column by 3.0) Purgling Method: Time Well Volumes Specific Conduct. (Gallons) (Ga		EL						
Depth to Water Surface Before Purging (from top of casing): Height of Water Column:			-				Bridges	: f
Height of Water Column:	Total Well Dep	th (from top of ca	sing):			14.4	_ feci	
Height of Water Column: Well Diameter (d): 4/6 inches Gals per fl: (d² x 0.0408) = x 0.65 \(\frac{3}{2} \) Volume of Water Column Before Purging: Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purgling Method: Time Well Volumes Specific Conduct. Temp. (Gallons) (mmhos/em or \(\text{µmhos/em or } \) (I 2.0 ft.0 ft.5 ft.3.76 ft.82 ft.70 ft.	Depth to Water	Surface Before P	urging (from top of cas	ing):		. 2.35	feet	
Well Diameter (d) 4/6 inches Gals per ft: (d² x 0.0408) = x 0.65 \(2 \) Volume of Water Column Before Purging: = 7.87 gallons Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purging Method: Bailer)Waterra Pump/Submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. (Temp. pH Turbidity Dissolved (mryb.) (NTU) Oxygen (mryb.)	Height of Water	Column:					_	
Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) Purgling Method: Time Well Volumes Specific Conduct. Temp. pH Turbidity Dissolved (NTU) Oxygen Potential (mg/L) (mV) 12.20 1.0 10/5 13.76 [1.82 157	Well Diameter (a): 4/6	_inches	Gals per ft:	$(d^2 \times 0.0408) =$		_	
Volume of Column by 3.0 Purgling Method: Salier Waterra Pump/Submersible Pump/Peristaltic Pump	Volume of Water	er Column Before	Purging:			<u>= 7.89</u>	gallons	
Time Well Volumes (Gallons) (mmhos/cm or phhos) (effor °C) (SU) (NTU) Oxygen Potential (mg/L) (mV) 12.20 (1.0 10/5 13.76 11.82 157 12.35 12.0 10/0 13.83 1170 86 13.15 20.0 10.35 13.87 11.78 74 Total Volume of Water Purged: Sampling Data:	Volume of Wate (Volume of	er Equal to three V Column by 3.0)	Vell Volumes:				gallons	
(Gallons) (mmhos/cm or pmhos) (°F or °C) (SU) (NTU) Oxygen (NTU) Oxygen (myL) (mV) 12.20 1.0 10.5 13.76 11.82 15.7 12.35 10.0 10.15 13.83 11.70 76 13.15 20.0 10.35 12.87 11.78 74 Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of bailon: - Sample Date/Time: - Odor: - Odor: - Odor: - Sheen/Appearance: - ND/ C/2 12.5 Notes: 1 - Field parameters obtained after sampling 2 - Field papameters obtained after sampling - Field papameters obtained after sampling - Field papameters obtained after sampling - Odor - Odo	Purging Method	đ:	Bailer Waterra Pump	/Submersible P	'ump/Peristaltic F	Pump		
1220 10 10 13.76 11.82 157 12.35 12.0 10 0 13.83 11.70 76 13.45 20.0 10.35 13.87 11.78 74 12.0 13.45 20.0 10.35 13.87 11.78 74 12.0 13.87 11.78 74 13.87 11.78 13.87	Time		(mmhos/cm or		I -		Oxygen	Potential
12.35 12.0 10.0 13.83 11.70 18 13.45 20.0 10.35 13.87 11.78 74 12 13.87 11.78 74 12 13.87 11.78 74 12 13.87 11.78 74 13.87 11.78 74 13.87 11.78 13.87 13	1320	1.0		13.76	11.87.	157	(IIIg/L)	
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of bailet: - Sample Date/Time: - Color: - Odor: - Odor: - Sheen/Appearance: - ND/ Cloudy Notes: - Field parameters obtained before sampling 2 - Field papameters obtained after sampling - Part	1235	100		13.83				
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake obailet: - Sample Date/Time: - Color: - Odor: - Odor: - Sheen/Appearance: - Sheen/Appearance: - Field parameters obtained before sampling 2 - Field papameters obtained after sampling - Odor: - Sheen/Appearance: - Sh		20.0	1035	13.87				
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of bailer - Sample Date/Time: - Color: - Odor: - Odor: - Sheen/Appearance: Notes: 1 - Field parameters obtained before sampling 2 - Field papameters obtained after sampling Color: - Color: - Sheen/Appearance: - Color: - Sheen/Appearance: - Color: - Col		<u> </u>	<u> </u>					
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of bailer - Sample Date/Time: - Color: - Odor: - Odor: - Sheen/Appearance: Notes: 1 - Field parameters obtained before sampling 2 - Field papameters obtained after sampling Color: - Color: - Sheen/Appearance: - Color: - Sheen/Appearance: - Color: - Col	-	<u> </u>				 -		
Total Volume of Water Purged: Sampling Data: - Sampling Method: - Depth of Pump intake of bailer - Sample Date/Time: - Color: - Odor: - Odor: - Sheen/Appearance: Notes: 1 - Field parameters obtained before sampling 2 - Field papameters obtained after sampling Color: - Color: - Sheen/Appearance: - Color: - Sheen/Appearance: - Color: - Col				 		┼─┤		
Sampling Data: - Sampling Method: - Depth of Pump intake of bailent	2			 		┼ ─ ┤		 -
- Depth of Pump intake of bailent 2/2 feet - Sample Date/Time: 7/2/01/350 - Color: 3.662, 102 - Odor: 5/. MGP - Sheen/Appearance: ND/ C/22/2 Notes: 1 - Field parameters obtained before sampling 2 - Field papameters obtained after sampling OATEX DATE DATE	Total Volume of	Water Purged:				<u> 20</u>	gallons	
1 - Field parameters obtained before sampling 2 - Field papameters obtained after sampling CATEX DAM Ornal	Sampling Data:		- Depth of Pump intake - Sample Date/Time: - Color: - Odor:	SI. MGP	1350 104	_ feet - -		
2 - Field papameters obtained after sampling BTEX PAH Orang		rs obtained before	e sampling	-, -				
- PAH - Phonol			sampling					
			Λi ,					
			Lyanid					

WELLNO: MW/9B Field Personnel: Date: EL Job No.: Location: Total Well Depth (from top of casing): Depth to Water Surface Before Purging (from top of casing): - 14. 12 feet Height of Water Column: Well Diameter (d): Gals per ft: $(d^7 \times 0.0408) =$ inches = 13.67 gallons Volume of Water Column Before Purging: Volume of Water Equal to three Well Volumes: gallons (Volume of Column by 3.0) Purging Method: Bailer Waterra Pump/Submersible Pump/Peristaltic Pump Time Well Volumes Specific Conduct. Temp pН Turbidity Dissolved Redox (Gallons) (mmhos/cm or (°F or(°C) (SU) (NTU) Oxygen Potential µmhos) (mg/L) (mV) 2135 0840 0.5 12.59 11.25 2/000 0900 7.0 12.76 2227 11.55 750 12.0 0915 2195 12.90 11.52 975 047 8 - WELL Total Volume of Water Purged: gallons Sampling Data: - Sampling Method: Bailer Pump - Depth of Pump intake or bailer: ~33 fcet - Sample Date/Time: 9/16/04 - Color: - Odor: - Sheen/Appearance: Notes: 1 - Field parameters obtained before sampling 2 - Field papameters obtained after sampling

WELL NO: MW-1013

	Field Pers	onnel: EL	- -			Date: Job No.: Location:	9/15/04 Birles Plattsburgh	5+ 1,NY
Tot	al Well Dep	th (from top of cas	ing):			61.60 6.79	_ fect	
De	oth to Water	Surface Before Pu	rging (from top of casin	ng):		- 6.79	feet	
Hei	ght of Water	Column:				= 54.81	-]feet	
We	Il Diameter ((d): 4	inches	Gals per ft;	$(d^2 \times 0.0408) =$	<u>× 0.653</u>	_	
Vol	ume of Wate	er Column Before	Purging:			= 35.8	gallons	
Vol		r Equal to three W f Column by 3.0)	ell Volumes:				gallons	
Pur	ging Metho	d: (Bailer/Waterra Pump/9	Submersible P	ump/Peristaltic P	итр		
	Time	Well Volumes (Gallons)	Specific Conduct. (mmhos/cm or µmhos)	Temp. (°F or °C)	pH (SU)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox Potential (mV)
	1400	0	450	11.51	6.77	71100		· · ·
	1420	_/5	440	10.76	6.99	550		
	1440	32_	907	10-52	7.05	455		
		_				<u> </u>		
						<u> </u>		
								
i 2						 		
Tota		Water Purged:				35_	gallons	
Sam	pling Data:		- Sampling Method: - Depth of Pump intake - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:	orbaile: FIIK/O4 Clow SULFO NO/C	Baller or Pump 156 1055 14 Grey 12 July	feel - -		
Notes	eld paramete	ers obtained before	sampling	,	,			
2 - Fi -	eld papamet	ers obtained after s		BYEX PAH				
-				Cymish				
					_			

						WELL NO:	11W-11R
Field Pers	onnel:				Date:	9/15/04 Bodge St	
<u> </u>					Job No.;	_11/5/09	
		-			Location:	0.1	<u> </u>
		-			Location.	1500gs 51	<u> </u>
Total Well Dep	th (from top of cas	sing):			39.10	feet	
		orging (from top of casi	лд):		<u>· 2·39</u>	feet	
Height of Water	Column:	n h-le			= 35.71	feet	
Well Diameter (Column: 01	Crs ~ 1 _inches	Gals per ft:	$(d^2 \times 0.0408) =$	x (.653).	por hole	
	er Column Before			,	= Z3.3		
	r Equal to three W Column by 3.0)	/ell Volumes:				gallons	
Purging Method		Bailer Waterra Pump/	Submersible P	ump/Peristaltic Pt	ımp		
Time	Well Volumes	Specific Conduct.	Tama		1 m 1 m 1		
	(Gallons)	(mmhos/cm or	Temp. (°F or °C)	pH (SU)	Turbidity (NTU)	Dissolved Oxygen	Redox Potential
ļ		μmhos)				(mg/L)	(mV)
1044	1.0	4752	11.25	12.71	7/000		
1054	16.0	3259	12.14	12.05	795		
1105	15.0	3176	12.19	11-95	650		
1115	20.0	<u> 2984</u>	12.21	11.73	7/000		>
<u> </u>	7 @ 25	9-4+1	<u> </u>	<u> </u>			
1	' ~~		<u></u>		 	`	
2		<u> </u>			 +		 -
~L <u>I</u>							
Total Volume of	Water Purged:				<u> 25.5 </u> 8	gallons	
Sampling Data:		- Sampling Method: - Depth of Pump intake - Sample Date/Time: - Color: - Odor: - Sheen/Appearance:		1010	feet		
Notes:				•			
I - Field paramete							
2 - Field papamete		. •					
		<u>TEX</u>			<u> </u>		
 -	<u> </u>	A H					
		unofe mide					
		- micre					

APPENDIX C
GROUNDWATER SAMPLES LABORATORY ANALYTICAL REPORT



4493 Walden Avenue, Lancaster, New York 14086
Tel: 716/685-8080, 800/327-6534 • Fax: 716/685-0852 • Email: asc@ene.com

October 04, 2004

Scott M. Hulseapple URS Corporation 28 Corporate Drive Suite 200 Clifton Park, NY 12065

RE: Energy East Plattsburgh Work Order No.: **0409182**

Dear Scott M. Hulseapple,

Analytical Services Center received 11 samples on Friday, September 17, 2004 for the analyses presented in the following report.

The ASC certifies that the test results in this report meet all requirements of NELAC for which it holds certification except as noted in this narrative and/or as flagged in the report.

The ASC is accredited in the Fields of Testing Potable water (SDWA), Solid and Chemical Materials (Solid Hazardous Wastes, RCRA), Water (CWA and other non-potable water) and Air and Emissions. Its primary accrediting authorities are New York State Department of Health and Florida Department of Health. The particular analytes/methods certified may be ascertained by requesting the laboratory's current certificates from your laboratory Project Manager.

You will receive an invoice under separate cover.

E & E will retain the samples addressed in this report for 30 days, unless otherwise instructed by the client. If additional storage is requested, the storage fee is \$1.00 per sample container per month, to accrue until the client authorizes sample destruction.

This report is not to be reproduced, except in full, without the written approval of the laboratory.

Sincerely.

Jason R. Kacalski

Project Manager

CC:

Enclosures as noted

This report ends on page 23



Analytical Services Center
International Specialists in Environmental Analysis
Lancaster New York 14086

gy and environment inc. Phone: (716) 685-8080

Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#:

10486

Client:

URS Corporation

Project:

Energy East Plattsburgh

Work Order:

0409182

Method References

GC Volatiles

Volatile Organic Aromatics by GC Method 8021B

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, IC & Volume 2. (Includes all Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

GCMS Semivolatiles

PAHS by Method 8270C

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. 3rd ed. 1986. Volumes.1A, 1B, 1C & Volume 2. (Includes all Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.

WetChemistry

Cyanide, Total by Method 335.3

Methods for Chemical Analysis of Water and Wastes, 1983, EPA-600/4-79-020. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory.

Phenols (Direct) in Water by Method 9065M (4AAP)

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, 3rd ed. 1986, Volumes, IA, 1B, 1C & Volume 2, (Includes all Updates). U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response.



Analytical Services Center
International Specialists in Environmental Analysis
Lancaster, New York 14086

gy and environment, inc. Phone: (716) 685-8080

Laboratory Results

NYS ELAP ID#:

Work Order Sample Summary

10486

CLIENT:

URS Corporation

Project:

Energy East Plattsburgh

Lab Order:

0409182

Date Received:

9/17/2004

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0409182-01A	BSGDD0109		9/16/2004 9:00:00 AM
0409182-01B	BSGDD0109	•	9/16/2004 9:00:00 AM
0409182-01C	BSGDD0109		9/16/2004 9:00:00 AM
0409182-01D	BSGDD0109		9/16/2004 9:00:00 AM
0409182-02A	BSGDD0203		9/16/2004 9:40:00 AM
0409182-02B	BSGDD0203		9/16/2004 9:40:00 AM
0409182-02C	BSGDD0203		9/16/2004 9:40:00 AM
0409182-02D	BSGDD0203		9/16/2004 9:40:00 AM
0409182-03A	BSGDD0111		9/16/2004 10:10:00 AM
0409182-03B	BSGDD0111		9/16/2004 10:10:00 AM
0409182-03C	BSGDD0111		9/16/2004 10:10:00 AM
0409182-03D	BSGDD0111		9/16/2004 10:10:00 AM
0409182-04A	BSGDD0210		9/16/2004 10:35:00 AM
0409182-04B	BSGDD0210		9/16/2004 10:35:00 AM
0409182-04C	BSGDD0210		9/16/2004 10:35:00 AM
1409182-04D	BSGDD0210		9/16/2004 10:35:00 AM
409182-05A	BSGUD0101		9/16/2004 11:00:00 AM
0409182-05B	BSGUD0101		9/16/2004 I1:00:00 AM
0409182-05C	BSGUD0101		9/16/2004 11:00:00 AM
409182-05D	BSGUD0101		9/16/2004 11:00:00 AM
409182-06A	BSGDD0106		9/16/2004 11:40:00 AM
409182-06B	BSGDD0106		9/16/2004 11:40:00 AM
409182-06C	BSGDD0106		9/16/2004 11:40:00 AM
409182-06D	BSGDD0106		9/16/2004 11:40:00 AM
0409182-07A	BSGDD0102		9/16/2004 12:10:00 PM
0409182-07B	BSGDD0102		9/16/2004 12:10:00 PM
0409182-07C	BSGDD0102		9/16/2004 12:10:00 PM
0409182-0 7 D	BSGDD0102		9/16/2004 12:10:00 PM
)409182-08A	BSGDD0107		9/16/2004 12:50:00 PM
0409182-08B	BSGDD0107		9/16/2004 12:50:00 PM
0409182-08C	BSGDD0107		9/16/2004 12:50:00 PM
409182-08D	BSGDD0107		9/16/2004 12:50:00 PM

CLIENT:

URS Corporation

Project:

Energy East Plattsburgh

Lab Order:

0409182

Work Order Sample Summary

Date	Received:	9/17/2004
	ACCCCATEGE.	7/ 1 // COOT

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date	
0409182-09A	BSGDIM0107		9/16/2004 1:50:00 PM	
0409182-09B	BSGDIM0107		9/16/2004 1:50:00 PM	
0409182-09C	BSGDIM0107		9/16/2004 1:50:00 PM	
0409182-09D	BSGDIM0107		9/16/2004 1:50:00 PM	
0409182-10A	DUP09/16/04		9/16/2004 7:00:00 AM	
0409182-10B	DUP09/16/04		9/16/2004 7:00:00 AM	
0409182-10C	DUP09/16/04		9/16/2004 7:00:00 AM	
0409182-10D	DUP09/16/04		9/16/2004 7:00:00 AM	
0409182-I1A	TRIP BLANK		9/16/2004 7:00:00 AM	



International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client:

URS-CLIFTON PARK

Project:

Energy East Plattsburgh

Lab Order:

0409182

CASE NARRATIVE

SAMPLE MANAGEMENT

Three cooler were received in good condition at temperatures of 3.0, 5.5, 3.0°c.

GC VOLATILES

A DB 624(column 1) and a RTX-502.2 (column2) column and a trap packed with OV-1, Tenax, silica gel and activated charcoal was used for the volatile analysis.

Sample analysis

All samples were analyzed within hold time.

A secondary dilution was performed on samples BSGDD0102, BSGDD0107, and DUP09/16/04, based on the level of target compounds present in the native sample.

Calibration

All initial and continuing calibrations were acceptable.

Manual integrations were not required.

OC

All surrogate recoveries were within acceptable limits.

All blank analyses were acceptable.

All matrix spike/spike duplicate (MS/MSD) recoveries and RPD values were acceptable.

All laboratory control sample (LCS) recoveries were acceptable.

GCMS SEMIVOLATILES

A Zebron ZB-5 column, which is 30-m long, 0.25-mm wide, and has a 0.5-micron film thickness, was used for the semivolatile analyses. The column contains 5% phenyl and 95% dimethylpolysiloxane.

Water Analysis

All samples were extracted and analyzed within hold times.

Sample BSGDD0102 was concentrated to a final volume of 5 mL instead of method required 1 mL due to matrix. Samples BSGDD0102, BSGDD0107, BSGDIM107, and DUP09/16/04 exceeded the calibration range for several of the various PAHs. They were reanalyzed at appropriate dilutions and the merged results are reported.

Calibration and Tunes

All initial and continuing calibrations were acceptable.

QC

Client:

URS-CLIFTON PARK

Project:

Energy East Plattsburgh

Lab Order:

0409182

CASE NARRATIVE

All surrogate recoveries were within acceptable limits.

The water blank analysis was acceptable.

All laboratory control sample (LCS) recoveries and RPD values were acceptable.

All internal standard area responses were acceptable, except for sample BSGDD0107, which had a high response of perylene-d12. It was reanalyzed at a forty-fold dilution and all internal standard area responses were within acceptable limits.

Benzo(b)fluoranthene and benzo(k)fluoranthene were manually integrated in sample BSGDD0107 due to poor peak shape. Indeno(1,2,3-cd)pyrene and/or dibenz(a,h)anthracene were manually integrated in samples BSGDD0102, BSGDD0107, and DUP09/16/04 due to their low concentrations and matrix. No standards or quality control samples required manual integrations.

GENERAL ANALYTICAL CHEMISTRY

Sample Analysis

All samples were analyzed within hold time.

Calibrations

All initial and continuing calibration standards were acceptable.

OC

All calibration and method blank analyses were acceptable.

Matrix duplicates, matrix spikes, and matrix spike duplicates (MD, MS, MSD) were acceptable except the cyanide MS was slightly high at 111%. The acceptable range is 90-110%.

All laboratory control sample (LCS) recoveries were acceptable.

Distribution	_	RELINGUISHED	2	RELINQUISHED	SAMPLE TYPE CODES	MATRIX		TRIP CHAPR		Mw-785	Mw. 7BD	MW 258	830-MB	MW-01B	Mw^loß	Mw-118	MW-3B	MW-9B	LOCATION	DELIVERY SERVICE:	(17	SAMPLERS	PROJECT NO		
Distribution: Original accompanies shipment, copy to coordinator lield liles		왕	A A	ВА	SD 18			Po 171 15	9/16/04	16/04	9/16/04	9/16/04	9/16/04	3 9/14/04	9/16/04	3/16/04	4/16/04	9/16/04	DATE	l ,	Esichorenduski	S (PRINT/SIGNATURE)	JECT NO. 39393871, 50502		
companies s	.	(SIGNATURE)		(SIGNAZATE)	TRIP BLANK MATRIX SPIKE DUPLICATE	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE		١	1	1350	1250	1210	1140	1100	1035	1010	0942	0900	TIME	Ko Ex	1.56:/ S	ATURE)	8		
hipment, c	\prod	DATE	7/6/.	DATE					GRAB	GRAB .	GRAGE (GRAB	CRAB 1	C24s	GAAB	GRAB	GA/86	GAAB	COMP/ GRAB		K		S	<u> </u>	
opy to co	├ ╏─ ┝		1500	TIME	RO# - RINSE BLANK FR# - FIELD REPUCATE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER		TRIP BLANK	Dup 09/16/07	BSGDIMO 107	856bb0107	BS6PD0102	856000106	BSG#D0101	विश्रेद्ध	გა(გ	<u> 8</u> 560	BSGD	SA	AIRBILL NO.:	`	•	NY SEG		
ordinator t	26	RECEIVED		RECEIVED	EPUCATE	G WATER WATER		AU 72	116/04	70107	0107	0102	0106	20101	012000959	<u>6560 00111</u>	<u> BSGDD0z03</u>	<u> </u>	SAMPLE ID	l I				1	
ield files	31	낆		塁	N# - NORI	WG - GRO SO - SOIL DC - DAILL		18	m6	9M	9M	عاليا	WG.	씨	1 MG	- MG	S MG	MG	MATRIX	847097 <u>545</u> 788			Bridge Street		
		LAB BY (s		(SIGNATURE)	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	WG - GROUND WATER SO - SOIL DC - DRILL, CUTTINGS		2	7	7	6	7	7	2,	7	7	7	6	TOTA	L NO.# OF					•
		BY (SIGNATURE)			MENTAL :		_	2	W	IJ	W	W	W	Ú	W	(v	W	Ŋ	40m	a glass		ß	réx Roz I		
	Ι.	_	4		SAMPLE	SOL 2015			2	12	-	2	7	-	2	2	2	-	1 2:	tr, amber][[P	ah 202 82	700	_
		PATE	1	DATE	(· · s	WC - LEACHATE GS - SOIL GAS WC - DRILLING WATER			_	_		-	_	_		-		_	250m	<u>r; ĬI.50</u> 4	BOTTLE TYPE AN	90	65/4		Z
	5430	III		TIME	EQUENTU	TER	-		~	- J	-		<u> -</u>	~ -	_	<u> </u>	~	-	<u>~/N</u> .	0 H 10 H	AND	70	141 c 335.	y and	d
	1.1			_	н ипмве	W8.0			4	4	X	文文			_						D PRESERVATIVE	\vdash			
			Sand	SPECIAL	н (гяом	WO - OCEAN WATER WS - SURFACE WATER WO - WATER FIELD QC	+		_	_	7	K K a		_				_			HVAT				
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	684-0022 (fix)	518-688,0015	かなない	INSTRUCTIONS	O ACCOMMOD				<	-	noper	おちみ								REA	PAGE	COOLER	LAB L		-
	(x:3)	\ \ \ \	Results to South Hulze-pple		(# - SEQUENTIAL NUMBER (FROM 1 TO B) TO ACCOMMODATE MULTIPLE SAMPLES IN A	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE			<		12 SAMPLE	I THEE PRODUCT								REMARKS	-	₋┡	EtE	(
		-	pole		SAMPLES	PAODUC!					m	Ž					_		SAMPL	E TYPE	- 유	2-3 of _		Ł	
					IN A SIN	TE ON GW	\perp	_				SAMPLE!							BEGINA DEPTH ENDING	(IN FEET)	<u> </u> -	h)		
					SINGLE DAY)	TABLE	_					017			_				DEPTH	(IN FEET)	$\left \cdot \right $				



Cooler Receipt Form

No. of Packages:	3	Date Received:	9-17-04	
Package Receipt No.:	14480	Project or Site Name:		-
Client:	URS			

A.	Peliminary Examination and Receipt Phase	Ci	rde O	пе
1.	Did coolers come with airbill or packing slip?	Yes	No	NA
	Grde carrier here and print airbill number below Fed Ex Airborne Glient Other			
ļ	Shipped as high hazard or dangerous goods?	Yes	No	DNA
2.	Did cooler(s) have custody seals?	Yes o	160	NA
3.	Were custody seals unbroken and intact on receipt?	Yes ,	№	NA
4.	Were custody seals dated and signed?	Yes 2	140	ΝA
5.	How was package secured? D Not secured			
				
В.	Unpacking Phase			
			-	
6.	(Signature)			
7.	Was a temperature blank vial included inside cooler(s)?	(Yes)	No	NA
	Please Record Temperature Vial or Cooler Temperature for Each Cooler, Range (2° - 6°C)			
	AND TO TEMPS C AND TO TEMPS C AND TEMPS C		emp	Œ.
84	470 9929 5788 Q 3. C	\perp		
	Q 5.5			
	(3) 3.0			
The	ermometer No.: 230 Correction Factor: 0, 0 *If temperature is outside of acceptable rang Notification form indicating affected contains	e, prepa ers.	ire a Pl	М
8.	Were the C-O-C forms received?	TES	No	NA
	C-O-C forms numbers if present:			
9.	Was enough packing material used in cooler(s)?	₹ <u>6</u>	No	NA
	Type of material: Vermiculite Bubble Wrap Other			31.5 20
10.	If cooling was required, what was the means (type Ice) of cooling used: □ Wet □ Dry □ Blue □ Other			NA
11.	Were all containers sealed in separate plastic bags?	(Yes) No	NA
12.	Did all containers arrive unbroken and in good condition?	185	No	NA
13.	Interim storage area if not logged:			
	In: Date Time Signature			

C. Login Phase		
Samples Logged in By Signature: Date: 9/17/04		
14. Were all container labels complete (e.g. date, time preserved)?	Xes) No	NA
	Yes No	NA
	Yes No	NA
	Yes No	NA
18. Were the correct preservatives listed on the sample labels?) No	NA
	No No	NA
20. Were all volatile samples received without headspace?	Yes No	NA.

Signature_

Mme_



International Specialists in Environmental Analysis

Energy East Plattsburgh

Project: Client:

URS Corporation

Lab Order:

Lancaster, New York 14086 4493 Walden Avenue

Laboratory Results

NYS ELAP ID#: 10486

(716) 685-8080 Phone:

DATES SUMMARY REPORT

S Flag	, <u> </u>						2		s Flag						Σ		Flag	
#Analytes	4	¥ Z	16	-	Υ Υ	-	-	¥	#Analytes	4	Ą	17	A A	-	-	A A	#Analytes	4
Type DF	8	ž	Æ S	₹ 8	ž	-	₽ -	¥ Z	Type DF	년 -	Υ A	₽ -	¥	đ.	€	¥N	Type DF	SAMP 20
	SAMP	A X	SAMP	SAMP	χ X	SAMP	SAMP	Ψ.		SAMP	¥ V	SAMP	¥ X	SAMP	SAMP	NA AA		
sls/BatchII	1028822	200403751	1032023	1033505	200403878	1035536	1034826	200403798	sls/BatchII	1028820	200400751	1032021	200403878	1035535	1034825	200403798	sis/BatchII	1028816
Analyzed* - Analysis/BatchID	1 9/21/2004 8:44:22 PM	9/22/2004 5:15:11 PM	9/27/2004 5:40:00 PM	9/28/2004 4:05:00 PM	M 10/2/2004 10:04:50 AM	M 10/4/2004 10:01:16 AM	1 10/1/2004 5:06:21 PM	1 9/27/2004 8:42:03 AM	Analyzed* - Analysts/BatchID	1 9/21/2004 4:44:08 PM	1 9/22/2004 5:15:11 PM	9/27/2004 4:39:00 PM	M 10/2/2004 10:04:50 AM	N 10/4/2004 10:00:15 AM	1 10/1/2004 5:03:27 PM	1 9/27/2004 8:42:03 AM	Analyzed . Analysis/BatchID	1 8/21/2004 11:56:06 AM
HT (Days) / HT Expire	9/17/2004 9:00:00 AM 14:C 9/30/2004 12:10:00 PM 9/21/2004 8:44:22 PM	7:C 9/23/2004 12:10:00 PM 9/22/2004 5:15:11 PM	40:P 11/1/2004 5:15:11 PM	40:P 11/1/2004 5:15:11 PM	28:C10/14/2004 12:10:00 PM 10/2/2004 10:04:50 AM	28:C10/14/2004 12:10:00 PM 10/4/2004 10:01:16 AM	14:C 9/30/2004 12:10:00 PM 10/1/2004 5:06:21 PM	14:C 9/30/2004 12:10:00 PM 9/27/2004 8:42:03 AM	HT (Days) / HT Expire	9/17/2004 9:00:00 AM 14:C 9/30/2004 11:40:00 AM 9/21/2004 4:44:09 PM	7.C 9/23/2004 11:40:00 AM 9/22/2004 5:15:11 PM	40:P 11/1/2004 5:15:11 PM 9/27/2004 4:39:00 PM	28:C10/14/2004 11:40:00 AM 10/2/2004 10:04:50 AM	28:C10/14/2004 11:40:00 AM 10/4/2004 10:00:15 AM	14:C 9/30/2004 11:40:00 AM 10/1/2004 5:03:27 PM	14:C 9/30/2004 11:40:00 AM 9/27/2004 8:42:03 AM	HT (Days) / HT Explre	8/17/2004 9:00:00 AM 14:C 9/30/2004 12:50:00 PM 9/21/2004 11:56:06 AM
Received Date	9/17/2004 9:00:00 AM								Received Date	9/17/2004 9:00:00 AM							Received Date	8/17/2004 9:00:00 AM
Collection Date	9/16/2004 12:10:00 PM								Collection Date	9/16/2004 11:40:00 AM							Collection Date	9/16/2004 12:50:00 PM
r Test Name	Volatile Organic Compound Analysis by Method 80218	BNA Liq/Liq Ext of Waters by M 3520C	Semivolatile Organics by Method 8270C	Semivolatile Organics by Method 8270C	Phenols Water Prep. (Direct) by Method 9065M	Phenols (Direct) in Water by Melhod 9065M (4AAP)	Cyanide, Total by Method 335.3	Cyanide Prep, Amenable to Chforination by M 335.1	r Test Name	Volatile Organic Compound Analysis by Method 8021B	BNA LIQUIQ EXT Of Waters by M 3520C	Semivolatile Organics by Method 8270C	Phenols Water Prep. (Direct) by Method 9065M	Pheno's (Direct) in Water by Method 9065M (4AAP)	Cyanide, Tolal by Method 335.3	Oyanide Prep, Amenable to Chlorination by M 335.1	Test Name	Volatile Organic Compound Analysis by Melhod 8021B
Matrix	Water								Matrix	Waler						:	Matrix	Water
(LAB) Sample ID (CLIENT)	BSGDD0102								(LAB) Sample ID (CLIENT)	BSGDD0106							(LAB) Sample ID (CLIENT)	BSGD00107
(LAB) Sampl	0409182-07A	0409182-07B			0409182-07C		0409182-07D		(LAB) Sampl	0409182-06A	0409182-06B		0409182-06C		0409182-06D		(LAB) Sampl	0409182-08A

HT From: C-Collection / R- Receipt(VTSR) / P-Prep / T-TCLP Prep

and time of completion of the preparation. For TCLP/SPLP Extractions and subsequent preparation tests..."Analyzed" reflects the date of TCLP/SPLP Extraction/preparation. For Re-extracted (RE) samples: Preparation tests completed dates reflects the extraction from the original sample leacheate unless an "RE" Sample exists for the extraction (tumble) test.

LINIS Version #: 040929_1500

Printed: Monday, October 04, 2004 3:26:38 PM

[&]quot;Analyzad" reflects the analysis date and time or injection time for analytical tasts. For preparation tasts "Analyzad" reflects the start of the preparation except when "AFCEE criteria used"; flag indicates date



Analytical Services Center International Specialists in Environmental Analysis

Energy East Plattsburgh URS Corporation

Project: Client:

Lab Order:

Lancaster, New York 14086 4493 Walden Avenue

Laboratory Results

NYS ELAP ID#: 10486

(716) 685-8080 Phone: DATES SUMMARY REPORT

HT (Days) / HT Explre
7:C 9/23/2004 12:50:00 PM 9/22/2004 5:15:11 PM
40:P 11/1/2004 5:15:11 PM 9/28/2004 4:36:00 PM
40:P 11/1/2004 5:15:11 PM 9/27/2004 6:40:00 PM
28:C10/14/2004 12:50:00 PM 10/2/2004 10:04:50 AM
28:C10/14/2004 12:50:00 PM 10/4/2004 10:02:16 AM
14:C 9/30/2004 12:50:00 PM 10/1/2004 5:07:19 PM
14:C 9/30/2004 12:50:00 PM 9/27/2004 8:42:03 AM
HT (Days) / HT Explre
9/17/2004 9:00:00 AM 14:C 9/30/2004 8:00:00 AM 9/21/2004 11:09:04 PM
7:C 9/23/2004 9:00:00 AM 9/22/2004 5:15:11 PM
40:P 11/1/2004 5:15:11 PM 9/25/2005 6:47:00 PM
28:C 10/14/2004 9:00:00 AM 10/2/2004 10:04:50 AM
28:C 10/14/2004 9:00:00 AM 10/4/2004 9:55:08 AM
14:C 9/30/2004 9:00:00 AM 10/1/2004 4:56:47 PM
14:C 9/30/2004 9:00:00 AM 9/27/2004 8:42:03 AM
HT (Days) / HT Explre
9/17/2004 9:00:00 AM 14:C 9/30/2004 10:10:00 AM 9/21/2004 3:08:05 PM
7:C 9/23/2004 10:10:00 AM 9/22/2004 5:15:11 PM

T From: C-Collection / R- Receipt(VTSR) / P-Prep / T-TCLP Prep

"Analyzed" reflects the analysis date and time or injection time for analytical tests. For preparation tests "Analyzed" reflects the start of the preparation except when "AFCEE criteria used"; flag Indicates date

and time of completion of the preparation.

-or TCLP/SPLP Extractions and subsequent preparation tests..."Analyzed" reflects the date of TCLP/SPLP Extraction/preparation. For Re-extracted (RE) samples: Preparation tests completed dates reflects the extraction from the original sample teacheate unless an "RE" Sample extraction (tumble) test.

JMS Version #: 040929_1500

Printed: Monday, October 04, 2004 3:26:40 PM



International Specialists in Environmental Analysis

Energy East Plattsburgh **URS** Corporation

Project: Client:

0409182

Lab Order:

Lancaster, New York 14086 4493 Walden Avenue

Laboratory Results

NYS ELAP ID#: 10486

(716) 685-8080 Phone:

DATES SUMMARY REPORT

LAB) Sample ID (CLIENT)		Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed • • Analysts/BatchID	ts/BatchID	Type DF	#Analytes	5 Flag
X09182-03B BSGDD0111		Water St	Semivolatile Organics by Method 8270C	9/16/2004 10:10:00 AM	9/17/2004 9:00:00 AM	9/17/2004 9:00:00 AM 40:P 11/1/2004 5:15:11 PM	9/25/2004 7:47:00 PM	1031110	SAMP 1	4	
M09182-03C		σΣ	Phenols Water Prep. (Direct) by Method 9065M			28:C10/14/2004 10:10:00 AM 10/2/2004 10:04:50 AM		200403878	NA NA	Z Z	
		டில்	Phenols (Direct) In Water by Method 9065M (4AAP)			28:C10/14/2004 10:10:00 AM 10/4/2004 9:57:11 AM	10/4/2004 9:57:11 AM	1035532	SAMP 1	-	
M09182-03D		Q.	Cyanide, Total by Method 335.3			14:C 9/30/2004 10:10:00 AM 10/1/2004 5:00:35 PM	10/1/2004 5:00:35 PM	1034822	SAMP 1	-	D
		OO	Cyanide Prep, Amenable to Chlorination by M 335.1			14;C 9/30/2004 10:10:00 AM 9/27/2004 8:42:03 AM	9/27/2004 8:42:03 AM	200403798	NA NA	ž	
LAB) Sample ID (CLIENT)	,	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Explre	Analyzed* - Analysis/BatchID	ils/BatchID	Type DF	#Analytes	s Flag
M09182-02A BSGDD0203		Water Ve	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 9:40:00 AM	9/17/2004 9:00:00 AM	9/17/2004 9:00:00 AM 14:C 9/30/2004 9:40:00 AM	9/21/2004 5:32:08 PM	1028821	SAMP 1	4	
жоэ182-о2В		ம்ல	BNA Lig/Liq Ext of Waters by M 3520C			7:C 9/23/2004 9:40:00 AM	9/22/2004 5:15:11 PM	200403751	NA NA	¥	
		ω eg	Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/25/2004 7:17:00 PM	. 1031109	SAMP 1	17	
A09182-02C		α.Σ	Phenols Water Prep. (Direct) by Method 9065M			28.C 10/14/2004 9:40:00 AM 10/2/2004 10:04:50 AM	10/2/2004 10:04:50 AM	200403878	NA NA	¥	
		υğ	Phenols (Direct) in Water by Method 9065M (4AAP)			28:C 10/14/2004 9:40:00 AM 10/4/2004 9:56:10 AM	10/4/2004 9:56:10 AM	1035531	SAMP 1	-	
3409182-02D		O	Cyanide, Total by Method 335.3			14:C 9/30/2004 9:40:00 AM 10/1/2004 4:59:38 PM	10/1/2004 4:59:38 PM	1034821	SAMP 1	-	(2)
		00	Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 9:40:00 AM	9/27/2004 8:42:03 AM	200403798	N N N	¥ Y	
LAB) Sample D (CLENT)		Metrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	is/BatchID	Type DF	#Analytes	s Flag
A09182-04A BSGDD0210		Water V	Volatife Organic Compound Analysis by Method 8021B	9/16/2004 10:35:00 AM	9/17/2004 9:00:00 AM	9/17/2004 9:00:00 AM 14:0 9/30/2004 10:35:00 AM 9/21/2004 1:32:04 PM	9/21/2004 1:32:04 PM	1028817	SAMP 1	4	
J409182-04B		மல்	BNA Llq/Llq Ext of Waters by M 3520C			7.C 9/23/2004 10:35:00 AM 9/22/2004 5:15:11 PM	9/22/2004 5:15:11 PM	200403751	NA NA	¥	
		on eq	Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/25/2004 8:17:00 PM	1031111	SAMP 1	11	
M09182-04C		οΣ	Phanols Water Prep. (Direct) by Method 9065M			28:C10/14/2004 10:35:00 AM 10/2/2004 10:04:50 AM		200403878	NA NA	¥ Y	

4T From: C-Collection / R- Receipt(VTSR) / P-Prep / T-TCLP Prep

^{* &}quot;Analyzed" reflects the analysis date and time or Injection time for analytical tests. For preparation tests "Analyzed" reflects the start of the preparation except when "AFCEE criteria used"; flag indicates date

and time of completion of the preparation.
For TCLP/SPLP Extractions and subsequent preparation tests..."Analyzed" reflects the date of TCLP/SPLP Extraction/preparation. For Re-extractions and subsequent preparation tests completed dates reflects the extraction from the original sample leacheste unless an "RE" Sample existis for the extraction (tumble) test.



Lab Order:

Client:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Laboratory Results

DATES SUMMARY REPORT NYS ELAP ID#: 10486 (716) 685-8080 Phone: Lancaster, New York 14086 Energy East Plattsburgh URS Corporation 0409182

Project:	Energy East Plattsburgh	Plattsb	ıugh			•	DALES SUMMANT REFURI	MINIA	NI KE	, Ç	.
LAB) Sample	LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed · · Analysis/BatchID	is/BatchID	Type DF	#Analvtes	Flag
)409182-04C	BSGDD0210	Water E	Phenols (Direct) In Water by Method 9065M (4AAP)	9/16/2004 10:35:00 AM	9/17/2004 9:00:00 AM	9/17/2004 9:00:00 AM 28:C10/14/2004 10:35:00 AM 10/4/2004 9:58:12 AM	10/4/2004 9:58:12 AM	1035533		-	
M09182-04D		~	Oyanide, Total by Method 335.3			14:C B/30/2004 10:35:00 AM 10/1/2004 5:01:32 PM	10/1/2004 5:01:32 PM	1034823	SAMP 1	-	Σ
			Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 10:35:00 AM 9/27/2004 8:42:03 AM	9/27/2004 8:42:03 AM	200403798	NA NA	A A	
LAB) Sample	LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/ButchID	ts/BatchID	Type DF #	#Analytes	Flag
409182-09A	BSGDIM0107	Water \	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 1:50:00 PM	9/17/2004 9:00:00 AM	9/17/2004 9:00:00 AM 14:C 9/30/2004 1:50:00 PM 9/21/2004 10:20:50 PM	/Z1/Z004 10:20:50 PM	1028824	SAMP 1	4	
м09182-09В		_	BNA Liq/Llq Ext of Waters by M 3520C			7:C 9/23/2004 1:50:00 PM 8	9/22/2004 5:15:11 PM	200403751	NA NA	Ą	
		., w	Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM 8	9/27/2004 5:09:00 PM	1032022	SAMP 1	9	
		-, 4	Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM 9	9/28/2004 5:36:00 PM	1033499	SAMP 4	-	
409182-09C			Phenois Water Prep. (Direct) by Method 9065M			28:C 10/14/2004 1:50:00 PM 10/2/2004 10:04:50 AM	0/2/2004 10;04;50 AM	200403878	NA NA	¥	
			Phenols (Direct) in Water by Method 9065M (4AAP)			28:C 10/14/2004 1:50:00 PM 10/4/2004 10:03:17 AM	0/4/2004 10:03:17 AM	1025538	SAMP 1	-	
M09182-09D		_	Cyanide, Tolal by Method 335.3			14:C 9/30/2004 1:50:00 PM 1	10/1/2004 5:08:18 PM	1034828	SAMP 1	-	Σ
			Cyanide Prep, Amenable to Chlorination by M 335.1	į		14:C 9/30/2004 1:50:00 PM 8	9/27/2004 8:42:03 AM	200403798	NA NA	A A	
LAB) Sample	LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	ls/BatchID	Type DF #	#Analytes	뒤로
M09182-05A	BSGUD0101	Water V	Volatile Organic Compound Analysis by Method 80218	9/16/2004 11:00:00 AM	9/17/2004 9:00:00 AM	9/17/2004 9:00:00 AM 14:C 9/30/2004 11:00:00 AM 9/21/2004 3:56:06 PM	1/21/2004 3:56:06 PM	1028819	SAMP 1	4	
409182-05B	•	ш 17	BNA Llq/Liq Ext of Waters by M 3520C			7;C 9/23/2004 11:00:00 AM 9/22/2004 5:15:11 PM	W22/2004 5:15:11 PM	200403751	A A	A A	
		ol m	Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM 9	9/27/2004 4:09:00 PM	1032020	SAMP 1	12	
409182-05C			Phenols Water Prep. (Direct) by Method 9065M			28:C10/14/2004 11:00:00 AM 10/2/2004 10:04:50 AM		200403878	NA NA	¥	
		-, 0)	Phenois (Direct) in Water by Method 9065M (4AAP)			28:C10/14/2004 11:00:00 AM 10/4/2004 9:59:14 AM	0/4/2004 9:59:14 AM	1035534	SAMP 1	-	□ .

T From: C-Collection / R- Receipt(VTSR) / P-Prep / T-TCLP Prep

"Analyzed" reflects the analysis date and time or injection time for analytical tests. For preparation tests "Analyzed" reflects the start of the preparation except when "AFCEE criteria used"; find indicates date

Ind time of completion of the preparation.

For TCLP/SPLP Extractions and subsequent preparation tests...*Analyzed* reflects the date of TCLP/SPLP Extraction. For Re-extracted (RE) samples: Preparation tests completed dates reflects to the extraction from the original sample leacheate unless an "RE* Sample exists for the extraction from the original sample leacheate unless an "RE* Sample exists for the extraction from the original sample teacheate unless an "RE* Sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the extraction from the original sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the original sample teacheate unless and the extraction from the e

IMS Version #: 040929_1500

Printed: Monday, October 04, 2004 3;26;43 PM



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

NYS ELAP ID#: 10486

Laboratory Results

(716) 685-8080 Phone:

DATES SUMMARY REPORT

0409182 Lab Order:

URS Corporation Client:

Energy East Plattsburgh Project:

Flag	, [Z		Fleg								Σ		Flag	
Type DF #Analytes	-	Ϋ́	Type DF #Analytes	4	Ą	4	81	v-	Ä	-	-	A A	Type DF #Analytes	4
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J. Page	SAMP	Š	Type	SAMP	¥ Z	SAMP	SAMP	SAMP 100	ž	SAMP	SAMP	ž	T _y	SAMP 1
Analyzed* - Analyzis/BatchID	1034824	200403798	Analyzed* - Analysis/BatchID	1028823	200403751	1032024	1033507	1033825	200403878	1035539	1034829	200403798	Analyzed • - Analysis/BatchID	1028814
ed* - Analy	02:29 PM	42:03 AM	ed* - Analy	32:35 PM	:15:11 PM	10:00 PM	MG 00:90	±03:00 PM	:04:50 AM	X04:17 AM	:09:16 PM	42:03 AM	ed* - Analy	1:57:19 PM
Analyz	9/17/2004 8:00:00 AM 14:C 9/30/2004 11:00:00 AM 10/1/2004 5:02:29 PM	14:C 9/30/2004 11:00:00 AM 9/27/2004 8:42:03 AM	Analyz	9/21/2004 9:32:35 PM	9/22/2004 5:15;11 PM	9/27/2004 6:10:00 PM	9/28/2004 5:06:00 PM	40:P 11/1/2004 5:15:11 PM 9/30/2004 12:03:00 PM	28:C 10/14/2004 7:00:00 AM 10/2/2004 10:04:50 AM	28:C 10/14/2004 7:00:00 AM 10/4/2004 10:04:17 AM	14:C 9/30/2004 7:00:00 AM 10/1/2004 5:09:16 PM	9/27/2004 B:42:03 AM	Analyz	9/17/2004 9:00:00 AM 14:C 9/30/2004 7:00:00 AM 9/21/2004 11:57:19 PM
xplre	00:00 AM	00:00 AM	tpire		7;C 9/23/2004 7:00:00 AM	40:P 11/1/2004 5:15:11 PM	40;P 11/1/2004 5:15:11 PM	S:11 PM (00:00 AM 1	00:00 AM 1	0:00 AM	14:C 9/30/2004 7:00:00 AM	tpire	0:00 AM S
/HTE	2004 11	2004 11:	/HTE	7.004	/2004 7:(/2004 5:-	/2004 5::	/2004 5::	1/2004 7:	1/2004 7:	72004 7:0	72004 7:(/HTE	2004 7:0
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1	:00 AM			:00 AM						-				W OO
Received Date	72004 9:00		Received Date	/2004 9:00									Received Date	2004 9:00
2	1		Ř										¤	Į .
Collection Date	11:00:00 AM		Collection Date	7:00:00 AM									Collection Date	7:00:00 AM
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	/6									R				
	d 335.3	đ		Volatile Organic Compound Analysis by Method 8021B	лз by М	Method	Method	Method	rect) by	Phenols (Direct) in Water by Method 9065M (4AAP)	335.3	9		Volatile Organic Compound Analysis by Method 80218
a,	Cyanide, Total by Method 335.3	Cyanide Prep, Amenable to Chlorination by M 335.1	Шe	с Сопроц	BNA Llo/Llq Ext of Waters by M 3520C	Semivolatile Organics by Method 8270C	Semivolatile Organics by Method 8270C	Semivolatile Organics by Method 8270C	Phenols Water Prep. (Direct) by Method 9065M) In Wate	Cyanide, Total by Method 335.3	Cyanide Prep, Amenable to Chlorination by M 335.1	Пе	Сотрог
Test Name	de, Total	Cyanide Prep, Amenab Chlorination by M 335.1	Тест Мате	Volatile Organic C by Method 8021B	Uq/Uq Ex	volatije Or	volatile O	volatile Or	Phenols Water Method 9065M	ols (Direct A (4AAP)	de, Total	Cyanide Prep, Amenabi Chlorination by M 335.1	Test Name	Volatile Organic C by Method 80218
F	1	Chlod	¥		BNA LI 3520C	Semivo 8270C	Semivo 8270C	Semive 8270C	Pheno Metho	Pheno 9065h	Oyani	Chlori	×	
Matrix	Water		Matrix	Water									Matrix	Water
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TAB) S	M09182-05D		LAB) S	3409182-10A	X09182-10B				409182-10C		M09182-10D		LAB) S	M09182-11A

T From: C-Collection / R- Receipt(VTSR) / P-Prep / T-TCLP Prep

"Analyzed" reflects the analysis date and time or injection time for analytical tests. For preparation tests "Analyzed" reflects the start of the preparation except when "AFCEE criteria used"; flag indicates date

and time of completion of the preparation.

-or TCLP/SPLP Extractions and subsequent preparation tests..."Analyzed" reflects the date of TCLP/SPLP Extraction/preparation. For Re-extracted (RE) samples: Preparation tests completed dates reflects to extraction (tumble) test.

.IMS Version #: 040929_1500

GC VOLATILES



Client:

Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0109

Alt. Client ID:

Collection Date: 9/16/2004 9:00:00 AM % Moist:

Lab ID: 0409182-01A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOU	ND ANALYSIS	ву ме	ETHOD 8021E	Me	thod:	SW8021B Prep Method:	SW5030B
Analyte	Result	Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst
Benzene	0.434	J	1.00	μg/L	1	9/21/2004 11:09:04 PM HP68906A_040921/	A KKU
Ethylbenzene	ND		1.00	μg/L	1	_	
Toluene	0.357	J	1.00	μg/L	1		
Xylenes, Total	ND		2.00	μg/L	1		
Surr:4-Bromochlorobenzene	97		59 - 147	%REC	1	9/21/2004 11:09:04 PM HP68906A_040921/	A KKU

• - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petro leum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Pou Spike Recovery outside limits

D - Diluted due to martrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery Emiss 15



International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

URS Corporation Client:

Lab Order: 0409182

Project:

Energy East Plattsburgh

Client Sample ID: BSGDD0203

Alt. Client ID:

Collection Date: 9/16/2004 9:40:00 AM % Moist:

Lab ID: 0409182-02A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOU	ETHOD 8021B	М	lethod:	SW8021B	Prep Method: SW5030B			
Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Benzene	6.59		1.00	μg/L	1	9/21/2004 5:32:08 PM	HP68906A_040921A	KKU
Ethylbenzene	0.317	J	1.00	μg/L	1		-	
Toluene	0.768	J	1.00	μg/L	1			
Xylenes, Total	ND		2.00	μg/L	1			
Surr:4-Bromochlorobenzene	96		59 - 147	%REC	1	9/21/2004 5:32:08 PM	HP68906A 040921A	KKU

Definitions:

^{* -} Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Conteminent Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B · Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Pou Spike Recovery outside limits

D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside receivery limits



Project:

Analytical Services Center

International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

VOLATILE ORGANIC COMPOUND ANALYSIS BY METHOD 8021B

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Prep Method: SW5030B

Client: URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0111

Alt. Client ID:

Method: SW8021B

Collection Date: 9/16/2004 10:10:00 A % Moist:

Lab ID: 0409182-03A

Sample Type: SAMP

' Matrix: Water

Test Code: 1_8021B_A_W

Analyte	Result O	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- Linut			Date Analyzed Roll Datell ID	
Benzene	2.82	1.00	μg/L	1	9/21/2004 3:08:05 PM HP68906A_040921A	ĸĸu
Ethylbenzene	1.93	1.00	μg/L	1		
Toluene	5.32	1.00	μg/L	1		
Xylenes, Total	5.58	2.00	μg/L	1		
Surr:4-Bromochlorobenzene	91	59 - 147	%REC	1	9/21/2004 3:08:05 PM HP68906A 040921A	KKU

Definitions:

• - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not ignite

I - Estimated value
NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to maximis or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#:

10486

Phone: (716) 685-8080

Client:

Project:

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0210

Alt. Client ID:

Collection Date: 9/16/2004 10:35:00 A

Lab ID: 0409182-04A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOUND ANALYSIS BY METHOD 8021B	Method: SW8021B	Prep Method: SW5030B
--	-----------------	----------------------

Analyte	Result	Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst
Benzene	1.68		1.00	μg/L	1	9/21/2004 1:32:04 PM HP68906A_040921A	кки
Ethylbenzene	0.292	J	1.00	μg/L	1		
Toluene	0.475	J	1.00	μg/L	1		
Xylenes, Total	ND		2.00	μg/L	1		
Surr.4-Bromochlorobenzene	96	_	59 - 147	%REC	1	9/21/2004 1:32:04 PM HP68906A_040921A	KKU

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to mexicix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

^{* -} Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Consaminant Level

N - Single Column Analysis



International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGUD0101

Alt. Client ID:

Collection Date: 9/16/2004 11:00:00 A % Moist:

Lab ID: 0409182-05A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOUND ANALYSIS BY METHOD 8021B				Me	Method: SW8021B Prep Method: SW5030B			
Analyte	Result	Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst	
Benzene	0.643	J	1.00	μg/L	1	9/21/2004 3:56:06 PM HP68906A_040921A	кки	
Ethylbenzene	ND		1.00	μg/L	1			
Toluene	0.382	J	1.00	μg/L	1			
Xylenes, Total	ND		2.00	μg/L	1			
Surr:4-Bromochlorobenzene	94		59 - 147	%REC	1	9/21/2004 3:56:06 PM HP68906A_040921A	кки	

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contemiosat Level

N - Single Column Analysis

NP - Petroleum Partern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to mastrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside Imies

ND - Not Detected at the Reporting Limit

R - RPD outside recovery fimits



Client:

Project:

Analytical Services Center

International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

URS Corporation Client Sample ID: BSGDD0106

Lab Order: 0409182 Alt. Client ID: Energy East Plattsburgh

Collection Date: 9/16/2004 11:40:00 A % Moist:

Lab ID: 0409182-06A Sample Type: SAMP Matrix: Water Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOUND ANALYSIS BY METHOD 8021B			M	ethod:	SW8021B Prep Method:	Prep Method: SW5030B	
Analyte	Result Q	Limit	Units	DF	Date Analyzed Run Batch II) Analyst	
Benzene	1.58	1.00	μg/L	1	9/21/2004 4:44:08 PM HP68906A_040921	A KKŲ	
Ethylbenzene	1.71	1.00	μg/L,	1			
Toluene	1.61	1.00	μg/L	ſ			
Xylenes, Total	4.22	2.00	μg/L	1		-	
Surr:4-Bromochlorobenzene	94	59 - 147	%REC	1	9/21/2004 4:44:08 PM HP68906A_040921	A KKU	

DF - Dilution Factor

H · Value Exceeds Maximum Contembant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyse found in Method blank

DNI - Did not Ignite

J · Estimated value NC - Not Calculated

P - Post Spike Recovery outside limits

D · Dibuted due to martiriz or extended target compounds

E - Result above quantitation first (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery Emils

^{* -} Recovery outside QC firrits



Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: **URS** Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0102

Alt. Client ID:

Collection Date: 9/16/2004 12:10:00 P

% Moist:

Lab ID: 0409182-07A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOUN	ND ANALYSIS BY	METHOD 8021E	Me	thod: \$	SW8021B	Prep Method: SW	/5030B
Analyte	Result Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
8enzene	917	50.0	μg/L	50	9/21/2004 8:44:22 PM	HP68906A_040921A	кки
Ethylbenzene	987	50.0	μg/L	50			
Toluene	1470	50.0	μg/L	50			
Xylenes, Total	1800	100	μg/L	50			
Surr:4-Bromochlorobenzene	92	59 - 147	%REÇ	50	9/21/2004 8:44:22 PM	HP68906A_040921A	KKU

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminent Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D · Diluted due to maxtrix or extended target compounds

E - Result above quantitation first (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Project:

Analytical Services Center

International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

(716) 685-8080 Phone:

Client: **URS** Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0107

Alt. Client ID:

Collection Date: 9/16/2004 12:50:00 P

% Moist:

Lab ID: 0409182-08A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOUN	ID ANALYSIS BY M	ETHOD 80218	Me	thod:	SW8021B Prep Method: SV	V5030B
Analyte	Result Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst
Benzene	464	20.0	μg/L	20	9/21/2004 11:56:06 AM HP68906A_040921A	KKU
Ethylbenzene	279	20.0	μg/L	20		
Toluene	581	20.0	μg/L	20		
Xylenes, Total	855	40.0	μg/L	20		
Surr:4-Bromochlorobenzene	87	59 - 147	%REC	20	9/21/2004 11:56:06 AM HP68906A_040921A	KKU

Definitions:

• - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contentions Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D - Diluted due to mastrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Rocovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery Emits



International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: **URS** Corporation

Lab Order: 0409182

Project:

Energy East Plattsburgh

Client Sample ID: BSGDIM0107

Alt. Client ID:

Collection Date: 9/16/2004 1:50:00 PM % Moist:

Lab ID: 0409182-09A

Sample Type: SAMP

· Matrix: Water

Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOUN	ID ANALYSIS BY M	ETHOD 8021E	B Me	thod: SW8021B	Prep Method: SW	/5030B
Analyte	Result Q	Limit	Units	DF Date Analy	zed Run Batch ID	Analyst
Benzene	29.1	1.00	μΩ/L	1 9/21/2004 10:20:50	PM HP68906A 040921A	KKU
Ethylbenzene	20.8	1.00	μg/L	1		
Toluene	6.10	1.00	μg/L	1		
Xylenes, Total	19.6	2.00	μg/L	1		
Surr.4-Bromochlorobenzene	106	59 - 147	%REC	1 9/21/2004 10:20:50	PM HP68906A_040921A	KKU

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignire

J - Estimated value

NC - Not Calculated

P - Pou Spike Recovery outside limits

 \mathbf{D} - Diluted due to maximiz or extended target compounds

E - Result above quantitation limit (high standard or (CP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

^{* -} Recovery outside QC fursits

DF - Dilution Factor

II - Value Exceeds Maximum Conteminant Level

N - Single Column Analysis



Project:

Analytical Services Center

International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: **URS** Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: DUP09/16/04

Alt. Client ID:

Collection Date: 9/16/2004 7:00:00 AM % Moist:

Lab ID: 0409182-10A

Sample Type: SAMP

Matrix: Water

Test Code: 1_8021B_A_W

VOLATILE ORGANIC COMPOUN	ND ANALYSIS BY	METHOD 8021E	Me	thod: \$	SW8021B	Prep Method: SV	/5030B
Analyte	Result Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Benzene	910	50.0	μg/L	50	9/21/2004 9:32:35 PM	HP68906A_040921A	KKU
Ethylbenzene	1520	50.0	μg/L	50			
Toluene	1790	50.0	μg/L	50			
Xylenes, Total	2800	100	μg/L	50			
Surr:4-Bromochlorobenzene	85	59 - 147	%REC	50	9/21/2004 9:32:35 PM	HP68906A_040921A	KKU

Definitions:

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P · Post Spike Recovery outside limits

D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside Errits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery Emits

^{* -} Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Conteminant Level

N - Single Column Analysis



International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

(716) 685-8080 Phone:

Pren Method: SW5030B

Client: **URS** Corporation

Energy East Plattsburgh

Client Sample ID: TRIP BLANK

Alt. Client ID:

Method: SW8021B

Collection Date: 9/16/2004 7:00:00 AM % Moist:

Lab ID: 0409182-11A

Lab Order: 0409182

Project:

Sample Type: SAMP

VOLATILE ORGANIC COMPOUND ANALYSIS BY METHOD 8021B

Matrix: Water

Test Code: 1_8021B_A_W

VOLATILL OTIGATIO COMIT COI	NO ANALIGIO	D 1 1111	-11100 00211	, ,,,,	illou.	5440215	repliieliloa. 317	3030D
Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Benzene	NO		1.00	μg/L	1	9/21/2004 11:57:19 PM	HP68906A_040921A	ККС
Ethylbenzene	ND		1.00	μg/L	1			
Toluene	0.625	J	1.00	μg/L	1			
Xylenes, Total	ND		2.00	μg/L	1			
Surr:4-Bromochlorobenzene	100		59 - 147	%REC	1	9/21/2004 11:57:19 PM	HP68906A_040921A	KKU

Definitions:

• - Recovery outside QC firrits

DF - Dilution Factor

H - Value Records Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to maxirix or extended target compounds

E - Result above quantitation little (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#:

10486

Phone: (716) 685-8080

QC SUMMARY REPORT

SURROGATE RECOVERIES

Volatile Organic Compound Analysis by Method 8021B

Work Order:

URS Corporation 0409182

Project:

CLIENT:

Energy East Plattsburgh

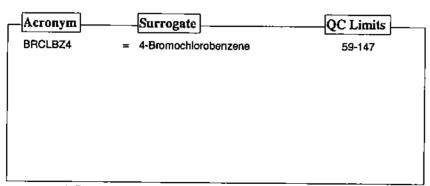
Test Code:

1_8021b_a_w

Batch ID:

HP68906A 040921A

Sample ID	Туре	BRCLBZ4	
0409182-01A	SAMP	97	
0409182-02A	SAMP	96	
0409182-03A	SAMP	91	
0409182-04A	SAMP	96	
0409182-04AMS	MS	95	
0409182-04AMSD	MSD	104	
0409182-05A	SAMP	94	
0409182-06A	SAMP	94	
0409182-07A	SAMP	92	
0409182-08A	SAMP	87	
0409182-09A	SAMP	106	
0409182-10A	SAMP	85	
0409182-11A	SAMP	100	
LCS1789-29-1	LCS	95	
MBLK1789-29-2	MBLK	97	



^{*} Surrogate recovery outside acceptance limits

D - Diluted due to matrix or extended target compounds

Ecology & Environment Inc. LIMS Version 040922_1730

Thursday, September 23, 2004 10:09:19 AM



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

URS Corporation

0409182

CLIENT: Work Order:

Project:

Energy East Plattsburgh

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

OC SUMMARY REPORT

Sample Matrix Spike

							Į					ı
Volatile Organic Aromatics by GC Method 8021B	Method 80%	218				Test Code: 1_8021b_a_w	8021b_8_1	*		Units: µg/L		
Sample ID: 0409182-04AMS	Client San	nple 1D: B	Client Sample 1D: BSGDD0210	_					ä	1 DL No:	-	
Run Batch ID: HP68906A_040921A	SeqNo: 1028828	1028828	Analysis [Jate: 9/21/200	Analysis Date: 9/21/2004 7:08:08 PM	Prep Batc	Prep Batch ID: R58493	493		Prep Date:		
Analyte Type / Name		Result	MDL	R.	Spike Value	Spike Value Orig Result %REC LowLimit HighLimit	%REC	LowLimit	HighLlmit	AP0	RPD Limit 1 Qual	
Benzane		20.36	0.1760	1.000	20.00	1.678	ន	8	115			1
Ethylbenzene		18.51	0.1170	1.000	20.00	0.2921	91	8	115			
Toluene		18.76	0.1580	1.000	20.00	0.4751	9	æ	115			
Xylenes, Total		55.15	1.600	2.000	60.00	0	35	85	115			
S 4-Bromochlorobenzane		19.09	0	0	20.00	0	95	53	147			

Qualifler Definitions:

• - Recovery outside QC limits DNI - Did not Ignite

B - Analyte found in Method blank

N - Single Column Analysis

RL - Reporting Limit

M - Matrix Spike Recovery outside limits NP - Petroleum Pattern is not present Footnotes: 1 - Represents RSD Limit for Quad Analysis

P - Post Spike Recovery outside limits R - RPD on

R - RPD outside recovery limits

NC - Not Calculated

DF - Dilution Factor J - Estimated value NO - Not Detected at the Ren

 $\boldsymbol{D} \boldsymbol{\cdot} \boldsymbol{D}iluted$ due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Lovel

ND - Not Detected at the Reporting Limit

Analyte Types: S - Surrogate 1 · Internal Standard

Ecology & Environment luc. LIMS Version #: 640922_1730

Thursday, September 23, 2004 10:09,20 AM



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

QC SUMMARY REPORT

URS Corporation

Energy East Plattsburgh

0409182

Work Order:

Project:

CLIENT:

Sample Matrix Spike Duplicate

RPD Limit 1 Qual 88880 1 DL_No: Units: µg/L Prep Date: RPO **4**, 6.4 6.0 4.1 135 115 147 HighLimit Ë Orig Result %REC LowLimit 88 88 88 88 88 88 Prep Batch ID: R58493 Test Code: 1_8021b_a_w 98 97 95 104 1,678 0.2921 0.4751 Analysis Date: 9/21/2004 7:56:05 PM Spike Value 20.00 20.00 60.00 20.00 1.000 000 2.000 Client Sample ID: BSGDD0210 ᅙ 0.1580 0.1170 0.1760 1.600 0 SeqNo: 1028827 Result 21.18 19.53 19.64 57,92 20.76 Volatile Organic Aromatics by GC Method 8021B Run Batch ID: HP68906A_040921A Sample ID: 0409182-04AMSD S 4-Bramochlorobenzene Analyte Type / Name Xylenes, Total Ethylbenzene Benzene Toluene

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· Recovery outside QC limits DNI - Did not Ignite

B - Aralyte found in Method blank

M - Matrix Spike Recovery outside Jimits NP - Petroleum Pattern is not present

RL - Reporting Limit Footnotes: 1 · Represents RSD Limit for Quad Analysis

D - Diluted due to maxitix or extended target compounds E - Rexult above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Consuminant Level NC · Nol Calculated

R - RPD outside recovery limits

P - Post Spike Recovery outside limits

N - Single Column Analysis

ND - Not Detected at the Reporting Limit

DF - Dilution Factor J - Estimated value

Analyte Types: S - Surrogate 1- Internal Standard

Ecology 60Environment Inc. LIMS Version #: 040922_1730

Thunday, September 23, 2004 10 09,20 4M



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

URS Corporation

0409182

Work Order: CLIENT

Project:

Energy East Plattsburgh

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

OC SUMMARY REPORT

Laboratory Control Spike

									ŀ			
Volatile Organic Aromatics by GC Method 8021B	Method 80;	218			•	Test Code: 1_8021b_a_w	8021b_a_i	¥		Units: µg/L	\	
Sample ID: LCS1789-29-1	Client Sample ID:	nple ID:							O.F.	1 DL No:		
Run Batch ID: HP68906A_040921A	SeqNo: 1028815	1028815	Analysis D)ate: 9/21/20(Analysis Date: 9/21/2004 10:20:14 AM	Prep Batch ID: R58493	h ID: R58	3493		Prep Date:		
Analyte Type / Name		Result	MDL	귙	Spike Value	Spike Value Orig Result %REC LowLimit	%REC		HighLimit	HPD	RPD Limit 1 Qual	
Велгеле		18.36	0.1760	1.000	20.00	0	92	88	115	ļ		
Ethylbenzene		18.15	0.1170	1.000	20.00	0	6	88	115			
Toluene		18.37	0.1580	1.000	20.00	0	8	8	115			
Xylenes, Total		54.08	1.600	2.000	60.00	0	8	8	115			
S 4-Bromochiorobenzene		18.93	0	0	20.00	0	98	69	147			

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 $\mathrm{E}\cdot \mathrm{Result}$ above quantitation limit (high standard or ICP linear H \cdot Value Exceeds Maximum Contaminant Level B - Analyte found in Method blank - Recovery outside QC limits DNI - Did not Ignite

M - Matrix Spike Recovery outside Limits NP · Petroleum Pattern is not present

P - Post Spike Recovery outside limits N - Single Column Analysis Footnotes: 1 · Represents RSD Limit for Quad Analysis

RL - Reporting Limit

Analyte Types: S - Surregate 1 - Internal Standard R - RPD outside recovery limits

NC - Not Calculated

J - Estimated value

DF · Dilution Factor

D - Diluted due to maxtrix or extended target compounds

ND - Not Detected at the Reporting Limit

Ecology 'PEuvironment Inc. LIMS Version #: 040922_1730

Thursday, September 23, 2004 10309 21 AM



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

URS Corporation

0409182

Work Order: CLIENT:

Project:

Energy East Plattsburgh

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

OC SUMMARY REPORT

Method Blank

Volatile Organic Aromatics by GC Method 8021B Sample ID: MBLK1789-29-2	Method 8021B Client Sample ID:	21B mple ID:				Test Code: 1_8021b_a_w	8021b_a_v	.	OF:	Units: µg/L	<u>.</u>	
Run Batch ID: HP68906A_040921A	SeqNo:	SeqNo: 1028826	Analysis I	Date: 9/21/20	Analysis Date: 9/21/2004 9:32:04 AM	Prep Bato	Prep Batch ID: R58493	3493		Prep Date:		
Analyte Type / Name		Result	MDL	ᆏ	Spike Value Orig Result %REC LowLimit HighLimit	Orig Result	%REC	LowLimit	HighLimit	PD O	RPD Limit 1 Qual	
Benzene		S.	0.1760	1.000								
Ethylbenzene		S	0.1170	1.000								
Toluene		2	0.1580	1.000								
Xylenes, Total		2	1.600	2.000								
S 4-Bromochlorobenzene		19.39	0	0			46	29	147			

Qualifler Definitions:

E - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level B - Analyte found in Method blank . Recovery outside QC limits DNI - Did not Ignite

P - Post Spike Recovery outside limits N - Single Column Analysis

RL - Reporting Limit

Poolnotes: 1 - Represente RSD Limit for Quad Analysis

M - Matrix Spike Recovery outside limits

NP · Petrolcum Pattern is not present

R - RPD outside recovery limits

NC - Not Calculated

Analyte Types: S - Surogate 1 - Internal Standard

ND - Not Detected at the Reporting Limit

DF - Dilbuíon Factor J - Estimated value

D - Diluted due to maxiniz or extended target compounds

Ecology & Environment Inc. I.IMS Version #: 040922_1730

GCMS SEMIVOLATILES



Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone:

(716) 685-8080

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0109

Alt. Client ID:

Collection Date: 9/16/2004 9:00:00 AM % Moist:

Lab ID: 0409182-01B

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE ORGANICS BY METHOD 8270C

Method: SW8270C

Prep Method: SW3520C

Analyte	Result	Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst
2-Methyinaphthalene	ND		9.62	μg/L	1	9/25/2004 6:47:00 PM SAM_040925A	MEI
Acenaphthene	ND		9.62	μg/L	1		
Acenaphthylene	1.87	J	9.62	μg/L	1		
Anthracene	ND		9.62	μg/L	1		
Benz(a)anthracene	ИD		9.62	μg/L	1		
Benzo(a)pyrene	ND		9.62	μg/L	1		
Benzo(b)fluoranthene	ND		9.62	μg/L	1		
Benzo(g,h,i)perylene	ND		9.62	μg/L	1		
Benzo(k)fluoranthene	ND		9.62	μg/L	1		
Chrysene	ND		9.62	μg/L	1		
Dibenz(a,h)anthracene	ND		9.62	μg/L	1		
Fluoranthene	ND		9.62	μg/L	1		
Fluorene	ND		9.62	μg/L	1		
Indeno(1,2,3-cd)pyrene	ND		9.62	μg/L	1		
Naphthalene	ND		9.62	μg/L	1		
Phenanthrene	ND		9.62	μg/L	1		
Pyrene	ND		9.62	μg/L	1		
Surr:2-Fluorobiphenyl	84		38 - 129	%REC	1	9/25/2004 6:47:00 PM SAM_040925A	MEI
Surr:Nitrobenzene-d5	83		45 - 118	%REC	1		
Surr:Terphenyl-d14	77		10 - 154	%REC	1		

Definitions:

* - Recovery outside QC firrits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminum Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Project:

Analytical Services Center

International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486 Phone: (716) 685-8080

URS Corporation Client:

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0203

Alt. Client ID:

Collection Date: 9/16/2004 9:40:00 AM % Moist:

Lab ID: 0409182-02B

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE ORGANICS BY METHOD 8270C

Method: SW8270C

Prep Method: SW3520C

Analyte	Result Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analysi —
2-Methylnaphthalene	ND	9.52	µg/L	1	9/25/2004 7:17:00 PM S	AM_040925A	MEI
Acenaphthene	ND	9.52	μg/L	1			
Acenaphthylene	ND	9.52	μg/L	1			
Anthracene	ND	9.52	μg/L	1			
Benz(a)anthracene	ND	9.52	μg/L	1			
Benzo(a)pyrene	ND	9.52	μg/L	1			
Benzo(b)fluoranthene	ND	9.52	μg/L	1			
Benzo(g,h.i)perylene	ND	9.52	µg/L	1			
Benzo(k)fluoranthene	ND	9.52	μg/L	1			
Chrysene	ND	9.52	μg/L	1			
Dibenz(a,h)anthracene	ND	9.52	µg/L	1			
Fluoranthene	ND	9.52	<i>μ</i> g/L	1			
Fluorene	ND	9.52	μg/L	1			
Indeno(1,2,3-cd)pyrene	ND	9.52	μg/L	1			
Naphthalene	ND	9.52	μg/L	1			
Phenanthrene	ND	9.52	μg/L	1			
Pyrene	מא	9.52	μg/L	1			
Surr:2-Fluorobiphenyl	83	38 - 129	%REC	1	9/25/2004 7:17:00 PM S/	AM_040925A	MEI
Surr:Nitrobenzene-d5	85	45 - 118	%REC	1			
Surr:Terphenyl-d14	64	10 - 154	%REC	1			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DM - Did not Ignite

I - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D - Diluted due to maximix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery Emiss

33

Printed: Thursday, September 30, 2004 3:05:38 PM LIMS Version #: 040929_1500



Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0111

Alt. Client ID:

Collection Date: 9/16/2004 10:10:00 A

Lab ID: 0409182-03B

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE ORGANICS BY METHOD 8270C

Method: SW8270C

Prep Method: SW3520C

Analyte	Result	Q	Limit	Units	DF	Date Analyzed Run Batch	ID Analyst
2-Methylnaphthalene	ND		9.71	μg/L	1	9/25/2004 7:47:00 PM SAM_040925A	MEI
Acenaphthene	ND		9.71	μg/L	1		
Acenaphthylene	1.17	J	9.71	μg/L	1		
Anthracene	ND		9.71	μg/L,	1		
Benz(a)anthraceле	ND		9.71	μg/L	1		
Вепхо(в)ругеле	ND		9.71	μg/L	1		
Benzo(b)fluoranthene	ND		9.71	μg/L	1		
Benzo(g.h,l)perylene	ND		9.71	μg/L	1		
Benzo(k)fluoranthene	ND		9.71	μg/L	1		
Chrysene	ND		9.71	μg/L	1		
Dibenz(a,h)anthracene	ИD		9.71	μg/L	1		
Fluoranthene	ND		9.71	μ g /L	1		
Fluorene	ND		9.71	<i>μ</i> g/L	1		
ndeno(1,2,3-cd)pyrene	ND		9.71	<i>μ</i> g/L	1		
Naphthalene	2.42	J	9.71	μg/L	1		
Phenanthrene	ND		9.71	μg/L	1		
Pyrene	ND		9.71	μg/L	1		
Surr:2-Fluorobíphenyl	88		38 - 129	%REC	1	9/25/2004 7:47:00 PM SAM_040925A	MEI
Surr:Nitrobenzene-d5	80		45 - 118	%REC	1		
Surr:Terphenyl-d14	77		10 - 154	%REC	1		

Definitions:

• - Recovery outside QC firrits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyse found in Method blank

DNI - Did not Ignite

I - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D - Diluted due to mastrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Lines

R - RPD outside recovery limits



International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486 (716) 685-8080 Phone:

Client: **URS** Corporation

Energy East Plattsburgh

Client Sample ID: BSGDD0210

Alt. Client ID:

Collection Date: 9/16/2004 10:35:00 A % Moist:

Lab ID: 0409182-04B

Lab Order: 0409182

Project:

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE ORGANICS BY METHOD 8270C

Method: SW8270C

Prep Method: SW3520C

Analyte	Result	Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analys
2-Methylnaphthalene	ND		9.80	μg/L	1	9/25/2004 8:17:00 PM SAM_040925A	MEI
Acenaphthene	NĎ		9.80	μg/L	1		
Acenaphthylene	ND		9.80	μg/L	1		
Anthracene	ND		9.80	μ g /L	1		
Benz(a)anthracene	ND		9.80	μg/L	1		
Benzo(a)pyrene	ND		9.80	μg/L	1		
Benzo(b)fluoranthene	ND		9.80	μg/L.	1		
Benzo(g,h,i)perylene	ND		9.80	μg/L	1		
Benzo(k)fluoranthene	ND		9.80	μց∕∟	1		
Chrysene	ND		9.80	μg/L,	1		
Dibenz(a,h)anthracene	ND		9.80	μg/L	1		
Fluoranthene	ND		9.80	μg/L	1		
Fluorene	ND		9.80	μg/L.	1		
Indeno(1,2,3-cd)pyrene	ND		9.80	μg/L	1		
Naphihalene	1.58	J	9.80	μ g /L	1		
Phenanthrene	ND		9.80	μg/L	1		
Pyrene	ND		9.80	μg/L	1		
Surr:2-Fluorobiphenyl	82		38 - 129	%REC	1	9/25/2004 8:17:00 PM SAM_040925A	MEI
Surr:Nitrobenzene-d5	82		45 - 118	%REC	1		
Surr:Terphenyl-d14	76		10 - 154	%REC	1		

Definitions:

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Culculated P - Post Spike Recovery outside limits D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

NO - Not Detected at the Reporting Limit

R - RPD outside recovery limits

^{• -} Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Comminant Level

N - Single Column Analysis



Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone:

(716) 685-8080

Prep Method: SW3520C

Client Sample ID: BSGUD0101

Alt. Client ID:

Method: SW8270C

Collection Date: 9/16/2004 11:00:00 A

Lab ID: 0409182-05B

Indeno(1,2,3-cd)pyrene

Lab Order: 0409182

Sample Type: SAMP

ND

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOL	ATILE (DRGANICS	BY METHOD) 8270C

Energy East Plattsburgh

URS Corporation

Analyte	Result Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
2-Methylnaphthalene	ND	9.43	μg/L	1	9/27/2004 4:09:00 PM	SAM_040927A	MEI
Acenaphthene	NĎ	9.43	<i>μ</i> g/L	1			
Acenaphthylene	ND	9.43	μg/L	1			
Anthracene	ND	9.43	μg/L	1			
Benz(a)anthracene	ND	9.43	μg/L	1			
Вепzo(а)рутеле	ND	9.43	μg/L	1			
Benzo(b)fluoranthene	ND	9.43	μg/L	1			
Benzo(g,h,i)perylene	ND	9.43	μg/L	1			
Benzo(k)fluoranthene	ND	9.43	μg/L	1			
Chrysene	ND	9.43	μg/L	1			
Dibenz(a,h)anthracene	ND	9.43	μg/L	1			
Fluoranthene	ND	9.43	μg/L	1			
Fluorene	ND	9.43	μg/L	1			

Naphthalene	ND	9.43	μg/L	1		
Phenanthrene	ND	9.43	μg/L	1		
Pyrene	ND	9.43	μg/L	1		
Surr:2-Fluorobiphenyl	97	38 - 129	%REC	1	9/27/2004 4:09:00 PM SAM_040927A	MEI
Surr:Nitrobenzene-d5	96	45 - 118	%REC	1		
Surr:Terphenyl-d14	79	10 - 154	%REC	1		

µg/L

9.43

Definitions:

* - Recovery outside QC littits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

I - Estimated value NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to massrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone:

(716) 685-8080

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0106

Alt. Client ID:

Collection Date: 9/16/2004 11:40:00 A

Lab ID: 0409182-06B

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE ORGANICS BY METHOD 8270C

Method: SW8270C

Prep Method: \$W3520C

Analyte	Result	Q	Limit	Units	DF	Date Analyzed F	Run Batch ID	Analyst
2-Methylnaphthalene	5.51	J	9.80	μg/L	1	9/27/2004 4:39:00 PM SA	M_040927A	MEI
Acenaphthene	ND		9.80	μg/L	1			
Acenaphthylene	4.89	J	9.80	μg/L	1			
Anthracene	ND		9.80	μg/L	1			
Benz(a)anthracene	ND		9.80	μg/L	1			
Benzo(a)pyrene	ND		9.80	μg/L	1			
Benzo(b)fluoranthene	ND		9.80	μg/ L	1			
Benzo(g,h,i)perylene	ND		9.80	μg/L	1			
Benzo(k)fluoranthene	ND		9.80	μg/L_	1	•		
Chrysene	ND		9.80	μg/L,	1			
Dibenz(a,h)anthracene	ND		9.80	μg/L	1			
Fluoranthene	ND		9.80	μg/L	1			
Fluorene	ND		9.80	μg/L	1			
Indeno(1,2,3-cd)pyrene	ND		9.80	μg/L	1			
Naphthalene	11,1		9.80	μg/L	1			
Phenanthrene	2.79	J	9.80	μg/L	1			
Pyrene	ND		9.80	μg/L	1			
Surr:2-Fluorobiphenyl	82		38 - 129	%REC	1	9/27/2004 4:39:00 PM SAI	M_040927A	MEI
Surr:Nitrobenzene-d5	82		45 - 118	%REC	1			
Surr:Terphenyl-d14	72		10 - 154	%REC	1			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contentinent Level

N - Single Column Analysis

NP - Petroleum Patiern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value NC - Not Calculated

P - Pou Spike Recovery outside limits

D - Diluted due to maximix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M · Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Project:

Analytical Services Center

International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486 (716) 685-8080 Phone:

URS Corporation

Client Sample ID: BSGDD0102

Alt. Client ID:

Energy East Plattsburgh

Collection Date: 9/16/2004 12:10:00 P

Lab ID: 0409182-07B

Lab Order: 0409182

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE ORGANICS BY METHOD 8270C

Method: SW8270C

Prep Method: SW3520C

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
2-Methylnaphthalene	556		243	μg/L	5	9/27/2004 5:40:00 PM	SAM_040927A	MEI
Acenaphthene	94.2	j	243	μg/L	5			
Acenaphthylene	692		243	µg/L	5			
Anthracene	190	J	243	µg/L	5			
Benz(a)anlhracene	122	J	243	μg/L	5			
Benzo(a)pyrene	128	J	243	μg/L	5			
Benzo(b)fluoranthene	54.3	J	243	μg/L	5			
Benzo(g,h.i)perylene	92.9	J	243	<i>μ</i> g/L,	5			
Benzo(k)fluoranthene	79.9	J	243	μg/L	5			
Chrysene	117	J	243	µg/L	5			
Dibenz(a,h)anlhracene	ND		243	μg/L	5			
Fluoranthene	348		243	μg/L	5			
Fluorene	247		243	μg/L	5			
Indeno(1,2,3-cd)pyrene	55. 5	J	243	μg/L	5			
Vaphthalene	4130		971	μg/L	20	9/28/2004 4:05:00 PM	SAM_040928A	
Phenanthrene	950		243	μg/L	5	9/27/2004 5:40:00 PM	SAM_040927A	
Pyrene	520		243	μg/L	5			
Sum2-Fluorobiphenyl	89		38 - 129	%REC	5	9/27/2004 5:40:00 PM	SAM_040927A	WEI
Surr:Nitrobenzene-d5	84		45 - 118	%REC	5			
Surr:Terphenyl-d14	91		10 - 154	%REC	5			

Definitions:

* - Recovery outside QC timbs

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method black

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery Emils



International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Prep Method: SW3520C

Client:

Project:

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0107

Alt. Client ID:

Method: SW8270C

Collection Date: 9/16/2004 12:50:00 P

% Moist:

Lab ID: 0409182-08B

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE	ORGANICS	BY METHOD	82700
SEMMACEMILE	ONGANICS		02/00

						01102700	riepinemou. On	33200
Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
2-Methylnaphthalene	222	J	392	μg/L	40	9/28/2004 4:36:00 PM	SAM_040928A	MEI
Acenaphthene	39.4		9.80	μg/L	1	9/27/2004 6:40:00 PM	SAM_040927A	
Acenaphthylene	230	J	392	μg/L	40	9/28/2004 4:36:00 PM	SAM_040928A	
Anthracene	26.6		9.80	μg/L	1	9/27/2004 6:40:00 PM	SAM_040927A	
Benz(a)anthracene	11.9		9.80	μg/L	1			
Benzo(a)pyrene	10.6		9.80	μg/L	1			
Benzo(b)fluoranthene	4.94	J	9.80	μg/L	ſ			
Benzo(g,h,i)perylene	8.08	J	9.80	μg/L	1			
Benzo(k)fluoranthene	5,80	J	9.80	μg/L	1			
Chrysene	11.2		9.80	μg/L	1			
Dibenz(a,h)anthracene	1.31	J	9.80	μ g/ L	1			
Fluoranthene	46.9		9.80	μg/L	1	-		
Fluorene ·	62.6		9.80	μg/L	1			
Indeno(1,2,3-cd)pyrana	12.4		9.80	μg/L	1			
Naphthalene	2420		392	μg/L	40	9/28/2004 4:36:00 PM	SAM_040928A	
Phenanthrene	6.06	J	9.80	μg/L	1	9/27/2004 6:40:00 PM	SAM_040927A	
Pyrene	56.0		9.80	μg/L	1			
Surr:2-Fluorobiphenyl	72		38 - 129	%REC	1	9/27/2004 6:40:00 PM	SAM_040927A	WEI
Surr:Nitrobenzene-d5	63		45 - 118	%REÇ	1			
Sum:Terphenyl-d14	44		10 - 154	%REC	1			

Definitions:

NP - Petroleum Petrem is not present

B - Analyte found in Method blank

DNI - Did not Iguite

J - Estimated value NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to maxteix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside Jimits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery Emits

^{• -} Recovery outside QC limits

DF - Dilution Factor

H - Volue Esceeds Maximum Contraminant Level

N - Single Column Analysis



International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: (716) 685-8080 Phone:

Client:

URS Corporation

Lab Order: 0409182 Project:

Energy East Plattsburgh

Client Sample ID: BSGDIM0107

Alt. Client ID:

Collection Date: 9/16/2004 1:50:00 PM % Moist:

Lab ID: 0409182-09B

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE ORGANICS BY METHOD 8270C

Method: SW8270C

Prep Method: SW3520C

Analyte	Result	Q	Limit_	Units	DF	Date Analyzed	Run Batch ID	Analys
2-Methylnaphthalene	13.1		9.52	μg/L	1	9/27/2004 5:09:00 PM	SAM_040927A.	MEI
Acenaphthene	66.0		9.52	μg/L	1			
Acenaphthylene	21.8		9.52	µg/L	1			
Anthracene	8.30	J	9.52	µg/L	1			
Benz(a)anthracene	1.29	J	9.52	μg/L	1			
Benzo(a)pyrene	0.982	J	9.52	μg/L	1			
Benzo(b)fluoranthene	ND		9.52	μg/L	1			
Benzo(g,h,i)perylene	ND		9.52	μg/L	1			
Benzo(k)fluoranthene	ND		9.52	μg/L	1			
Chrysene	1.20	J	9.52	μg/L	1			
Dibenz(a,h)anthracene	ND		9.52	μg/L	1			
Fluoranthene	8.69	J	9.52	μg/L	1		,	
Fluorene	17.7		9.52	μg/L	1			
Indeno(1,2,3-cd)pyrene	ND		9.52	μg/L	1			
Naphthalene	147		38.1	μg/L	4	9/28/2004 5:36:00 PM	SAM_040928A	
Phenanthrene	52.9		9.52	μg/L	1	9/27/2004 5:09:00 PM	SAM_040927A	
Pyrene	11.0		9.52	μg/L	1			
Surr.2-Fluorobiphenyl	78		38 - 129	%REC	1	9/27/2004 5:09:00 PM	SAM_040927A	MEI
Surr:Nitrobenzene-d5	7 7		45 - 118	%REC	1			
Surr:Terphenyl-d14	72		10 - 154	%REC	1			

Definitions:

DF - Dilution Factor

H - Value Exceeds Maximum Conteminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value NC - Not Calculated

P - Past Spike Recovery outside limits

D - Diluted due to maxinix or extended target compounds

E - Result above quantitation timit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

^{* -} Recovery outside QC limits



Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 1

10486

Phone: (716) 685-8080

Client Sample ID: DUP09/16/04

Alt. Client ID:

Collection Date: 9/16/2004 7:00:00 AM % Moist:

Lab ID: 0409182-10B

Lab Order: 0409182

Sample Type: SAMP

Matrix: Water

Test Code: C_8270C_3520C_W_001

SEMIVOLATILE ORGANICS BY METHOD 8270C

Energy East Plattsburgh

URS Corporation

Method: SW8270C

Prep Method: SW3520C

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
2-Methylnaphthalene	457		388	μg/L	40	9/28/2004 5:06:00 PM	SAM_040928A	MEI
Acenaphthene	67.4		48.5	μg/L	5	9/27/2004 6:10:00 PM	SAM_040927A	
Acenaphthylene	497		388	μg/L	40	9/28/2004 5:06:00 PM	SAM_040928A	
Anthracene	115		48.5	μg/L	5	9/27/2004 6:10:00 PM	SAM_040927A	
Benz(a)anthracene	70.2		48.5	μg/L	5			
Вепzо(в)ругеле	69.9		48.5	μg/L	5			
Benzo(b)fluoranthene	31.6	j	48.5	μg/L	5			
Benzo(g,h,i)perylene	94.2		48.5	μg/L.	5			
Benzo(k)fluoranthene	37.4	J	48.5	μg/L	5			
Chrysene	67.7		48.5	μg/L	5			
Dibenz(a,h)anthracene	13.3	J	48.5	<i>μ</i> g/L	5			
Fluoranthene	208		48.5	μg/L	5			
Fluorene	161		48.5	μg/L	5			
Indeno(1,2,3-cd)pyrene	71.5		48.5	μg/L	5			
Naphthalene	4030		971	μg/L	100	9/30/2004 12:03:00 PM	SAM_040930A	
Phenanthrene	30.0	L	48.5	μg/L	5	9/27/2004 6:10:00 PM	SAM_040927A	
Pyrene	299		48.5	μg/L	5			
Surr:2-Fluorobiphenyl	82		38 - 129	%REC	5	9/27/2004 6:10:00 PM	SAM_040927A	MEI
Surr:Nitrobenzene-d5	89		45 - 118	%REC	5			
Surr:Terphenyl-d14	60		10 - 154	%REC	5			

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

II - Value Exceeds Maximum Contengrant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

I - Estimated value NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to practrix or extended target compounds

5 - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Laboratory Results

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

NYS ELAP ID#:

Phone: (716) 685-8080

CLIENT: Work Order: **URS** Corporation

0409182

QC SUMMARY REPORT SURROGATE RECOVERIES

Project: Test Code:

Energy East Plattsburgh C_8270C_3520C_W_001

Semivolatile Organics by Method 8270C

Batch ID:

SAM_040925A

Sample ID	Туре	NO2BZD5	PIEN2F	PHEND14			
0409182-01B	SAMP	83	84	77			
0409182-02B	SAMP	85	83	64		 	
0409182-03B	SAMP	80	88	77	 		
0409182-04B	SAMP	82	82	76			
LCS-200403751	LCS	92	93	95			
LCSD-200403751	LCSD	87	89	90			
MB-200403751	MBLK	81	80	83			

Acronym	Surrogate	QC Limits
NO2BZD5	= Nitrobenzene-d5	45-118
PHEN2F	 2-Fluorobiphenyl 	38-129
PHEND14	= Terphenyl-d14	10-154
1		
1		

^{*} Surrogate recovery outside acceptance limits

D - Diluted due to matrix or extended target compounds



Laboratory Results

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

NYS ELAP ID#:

: 10486

Phone: (716) 685-8080

CLIENT:

URS Corporation

Work Order:

0409182

Project:

Energy East Plattsburgh

Test Code:

C_8270C_3520C_W_001

Batch ID:

SAM_040927A

QC SUMMARY REPORT SURROGATE RECOVERIES

Semivolatile Organics by Method 8270C

Туре	NO2BZD5	PHEN2F	PHEND14						_
SAMP	96	97	79	·	1			Ţ <u>.</u>	
SAMP	82	82	72						
SAMP	84	89	91					1	
SAMP	63	72	44	-					
SAMP	77	78	72						
SAMP	89	82	60		 			<u> </u>	
	SAMP SAMP SAMP SAMP SAMP	SAMP 96 SAMP 82 SAMP 84 SAMP 63 SAMP 77	SAMP 96 97 SAMP 82 82 SAMP 84 89 SAMP 63 72 SAMP 77 78	SAMP 96 97 79 SAMP 82 82 72 SAMP 84 89 91 SAMP 63 72 44 SAMP 77 78 72	SAMP 96 97 79 SAMP 82 82 72 SAMP 84 89 91 SAMP 63 72 44 SAMP 77 78 72	SAMP 96 97 79 SAMP 82 82 72 SAMP 84 89 91 SAMP 63 72 44 SAMP 77 78 72	SAMP 96 97 79 SAMP 82 82 72 SAMP 84 89 91 SAMP 63 72 44 SAMP 77 78 72	SAMP 96 97 79 SAMP 82 82 72 SAMP 84 89 91 SAMP 63 72 44 SAMP 77 78 72	SAMP 96 97 79 SAMP 82 82 72 SAMP 84 89 91 SAMP 63 72 44 SAMP 77 78 72 SAMP 89 82 60

Acronym	Surrogate	QC Limits
NO2BZD5	= Nitrobenzene-d5	45-118
PHEN2F	= 2-Fluoroblphenyl	38-129
PHEND14	= Terphenyl-d14	10-154
1		

^{*} Surrogate recovery outside acceptance limits

D - Diluted due to matrix or extended target compounds

Ecology & Environment Inc. LIMS Version 040929_1500

Thursday, September 30, 2004 2:56:28 PM



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Energy East Plattsburgh

URS Corporation

0409182

Work Order: CLIENT:

Project:

Laboratory Results NYS ELAP ID#: 10486

Phone: (716) 685-8080

OC SUMMARY REPORT

Laboratory Control Spike

			Quel																			
	F :07	9/22/2004	Ę																			
Units: µg/L	1 DL No:	Prep Date: 9/22/2004	GF																			
	O.F.		HighLimit	110	131	133	146	139	136	113	138	14	112	142	8	114	110	<u>‡</u>	135	129	118	<u>\$</u>
520C_W_001		0403751	LowLimit	ਡ	ន	18	58	2	35	55	37	31	23	53	24	56	98	28	52	88	45	2
_8270C_3		Prep Batch ID: 200403751	%REC	8	85	78	8	8	85	86	8	98	85	78	82	82	83	8	88	83	8	98
Test Code: C_8270C_3520C_W_001		Prep Bat	Orig Resuft	0	0	0	0	0	0	0	o	0	Ó	0	0	0	0	0	0	0	0	0
		Is Date: 9/25/2004 5:47:00 PM	Spike Value	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	50.00	90.00	20.00
		s Date: 9/25/20	H.	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	0	0	0
		Analysi	MOL	0.7050	0.6280	0.7030	0.8650	0.7740	0.8440	0.7110	0.7430	0.8570	0.7600	0.8060	0.7990	0.8000	0.5780	0.7320	0.7740	0	0	0
	Cllent Sample ID:	SeqNo: 1031106	Resuft	32,88	32.62	31.09	33.49	32,56	33.87	34.58	33.50	34.47	34.14	31.09	33.86	34.06	33.21	32.50	35.37	46.30	45.98	47.71
	Cllent Sa	SeqNo																				
PAHS by Method 8270C	Sample ID: LCS-200403751	Run Batch ID: SAM_040925A	Analyte Type / Name	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Вепzо(а)ругеле	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indena(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	S 2-Fluoroblphenyi	S Nitrobenzene-d5	S Terphenyl-d14

Qualifier Definitions:

M - Matrix Spike Recovery outside limits . Recovery outside QC limits DNI - Did not Ignite

Foolnotes: 1 - Represents RSD Limit for Quad Analysis NP · Petroleum Pattern is not present

P · Post Spike Recovery outside limits

RL - Reporting Limit

N - Single Column Analysis

B - Analyte found in Method blank

E - Result above quantization limit (high standard or ICP linear H - Value Exceeds Maximum Comaminant Level R · RPD outside recovery limits NC · Not Calculated

ND · No Detected at the Reporting Limit

DF - Dilution Factor J · Estimated value

 $\mathbf{D} \cdot \mathbf{Diluted}$ due to maxifix or extended target compounds

Analyte Types: S - Surrogate 1 - Internal Standard

Ecology Bawlronment Inc. LIMS Version #: 040929_1500



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

URS Corporation

0409182

Work Order: CLIENT

Project:

Energy East Plattsburgh

Laboratory Results

NYS ELAP ID#: 10486

(716) 685-8080 Phone:

OC SUMMARY REPORT

Laboratory Control Spike Duplicate

PAHS by Method 8270C						Test Code: C_8270C_3520C_W_001	8270C_35	20C_W_001		Units: µg/L		
Sample ID: LCSD-200403751	Client Sample ID:	nple ID:							ä	- P	Jo: 1	
Run Batch ID: SAM_040925A	SeqNo: 1031107	1031107	Analysis D	ate: 9/25/200	Date: 9/25/2004 6:17:00 PM	Prep Bato	Prep Batch ID: 200403751	3403751		Prep Date: 9/22/2004	9/22/2004	
Analyte Type / Name		Result	MDL	귙	Spike Value	Orlg Result	%REC	LowLInit	HighLimit	9FO	RPD Limit 1 Qual	
Acenaphthene		32.60	0.7050	10.00	40.00	0	82	ਲ	110	6.0	50	
Acenaphthylene		32.13	0.6280	10.00	40.00	0	8	ន	5	1.5	Ś	
Anthracane		30.46	0.7030	10.00	40.00	0	9/	8	55	2.1	20	
Benz(a)anthracene		32.49	0.8650	10.00	40.00	0	20	ଷ	146	3.0	8	
Вепzо(а)ругепе		31.48	0.7740	10.00	40.00	0	. 79	2	139	9.4	ୡ	
Benzo(b)/luoranthene		32.30	0.8440	6.0 8	40.00	0	20	38	136	4.7	20	
Benzo(g,h,i)perylene		33.30	0.7110	10.00	40.00	0	8	88	113	3.8	: 8	
Benzo(k)fluoranthene		33.33	0.7430	90.00	40.00	0	8	37	138	0.5	8	
Chrysena		33.16	0.8570	10.00	40.00	0	83	33	<u>‡</u>	3.9	8	
Dlbenz(a,h)anthracene		33.06	0.7600	10.00	40.00	o	8	23	112	3.2	8	
Fluoranthene		31.62	0.8060	10.00	40.00	0	79	53	142	1.7	50	
Fluorene		32.75	0.7990	10.00	40.00	0	85	24	533	3.6	29	
Indeno(1,2,3-cd)pyrene		32.93	0.8000	10.00	40.00	0	82	56	114	3.4	20	
Naphthalene		32.30	0.5780	10.00	40.00	0	8	36	110	2.8	20	
Phenanthrene		31.19	0.7320	10.00	40.00	0	7.8	28	4	4.1	20	
Pyrene		34.51	0.7740	10.00	40.00	o	98	52	55	2.5	80	
		44.29	0	0	50.00	0	88	88	129	0.0	O	
S Nitrobenzene-d5		43.37	0	0	50.00	0	87	45	#	0.0	0	
S Terphenyl-d14		45.10	0	0	20.00	0	8	£	154	0:0	P	

Qualifler Definitions:

. - Recovery outside QC limits

B - Azzlyte found in Method blank

N - Single Column Analysis

RL - Reporting Limit

DNI - Did not Ignic

M · Matrix Spike Recovery outside limits NP - Petrokum Pattern is not present Footnales: 1 - Represents RSD Limit for Quad Analysis

D - Diluted due to maxtrix or extended target compounds E - Result above quantiation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level NC - Not Calculated P - Post Spike Recovery outside limits

R - RPD outside recovery limits

DF - Dilution Pactor J - Estimated value

ND - Not Detected at the Reporting Limit

Thursday, September 30, 2004 2:56:29 PM

Analyte Types: S - Surogate 1 - Internal Standard



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

Method Blank

OC SUMMARY REPORT

URS Corporation CLIENT:

0409182

Work Order:

Project:

Energy East Plattsburgh

DAHS hy Method 8270C		3 <u>T</u>	Test Code: C 8270C 3520C W 001		Loite:
Sample ID: MB-200403751	Cllent Sample ID:			e.	i Di No: 1
Bun Batch ID: SAM 040925A	Seat 1001	2000 Co. 1000 Co. 100	O		

PAHS by Method 8270C						Test Code: C_8270C_3520C_W_001	_8270C_35;	0C_W_001		Units: µg/L		
Sample ID: MB-200403751	Cllent Sample ID:	nple ID:							P.	1 DL No:	اة: 1	
Run Batch ID: SAM_040925A	SeqNo: 1031105	1031105	Analysis [Jate: 9/25/20	Analysis Date: 9/25/2004 5:17:00 PM	Prep Bato	Prep Batch ID: 200403751	103751		Prep Date: 9/22/2004	17272004	
Analyte Type / Name		Result	MDL	ద	Spike Value	Orig Result	%REC	LowLimit	HighLimit	OAR	RPD Limit 1 Quel	Ouel
2-Methylnaphthalene		9	2.200	10.00		 		ļ 				
Acenaphthene		9	0.7050	10.00								
Acenaphthylene		2	0.6280	10.00								
Anthracene		9	0.7030	10.00								
Benz(a)anthracene		9	0.8650	10.00								
Benzo(a)pyrene		9	0.7740	10.00								
Benzo(b)fluoranthene		ð	0.8440	10.00								
Benzo(g,h,l)perylene		9	0.7110	10.00								
Benzo(k)fluoranthene		9	0.7430	10.00								
Chrysene		8	0.8570	10.00								
Dibenz(a,h)anthracene		2	0.7600	10.00								
Fluoranthene		9	0.8060	10.00								
Fluorene		2	0.7990	10.00								
Indeno(1,2,3-cd)pyrene		2	0.8000	10.00					-			
Naphthalene		2	0.5780	10.00								
Phenanthrene		9	0.7320	10.00								
Pyrene		9	0.7740	10.00								
S 2-Fluoroblphenyl		40.23	0	0			8	88	129			
S Nitrobenzene-d5		40.51	0	0			8	\$	118			
S Terphenyl-d14		41.65	0	0			8	2	154			

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* - Recovery outside QC limits	B - Analyte found in Method blank	D. Diluted due to maxtrix or extended target compounds
DNI - Did not Ignite	B - Result above quantitation limit (high standard	B - Result above quantitation limit (high standard or ICP linear H - Value Exceeds Maximum Contaminant Level
M - Matrix Spike Recovery outside limits	N - Single Column Analysis	NC - Not Calculated
NP - Petroleum Pattern is not present	P - Post Spike Recovery outside limits	R - RPD outside recovery limits
Pootnotes: 1 · Represents RSD Limit for Quad Analysis RL · Reporting Limit	RL · Reporting Limit	Analyte Types: S · Surrogate 1 · Internal Standard

Analyte Types: S · Surregate 1 · Internal Standard

ND - Not Detected at the Reporting Limit

DF - Dilution Factor J - Estimated value

Ecological Environment Inc. LIMS Version #: 040929_1500

GENERAL ANALYTICAL CHEMISTRY



International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

URS Corporation Client:

Lab Order: 0409182

Project:

Energy East Plattsburgh

Client Sample ID: BSGDD0203

Alt. Client ID:

Collection Date: 9/16/2004 9:40:00 AM % Moist:

Lab ID 0409182-02D

Sample Type: SAMP

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3

Method: EPA335.3

Prep Method: EPA335.3

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Cyanide	ND		0.01	mg/L	1	10/1/2004 4:59:38 PM	LACHAT_CN_041001A	RLG

Definitions:

* · Recovery outside QC foreits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Partern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D - Diluted due to maxtrix or extended target compounds

 ${\bf B}$ - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

48

LIMS Version #: 040929_1500



Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client Sample ID: BSGDD0111

Alt. Client ID:

Collection Date: 9/16/2004 10:10:00 A % Moist:

Lab ID 0409182-03D

Lab Order: 0409182

Sample Type: SAMP

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3

URS Corporation

Energy East Plattsburgh

Method: EPA335.3

Prep Method: EPA335.3

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Cyanide	0.00375	J	0.01	mg/L	1	10/1/2004 5:00:35 PM	LACHAT_CN_041001A	RLG

Definitions:

* - Recovery outside QC firmin

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

1 - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to masurix or extended target compounds

E - Result above quantitation limit (high numbers or ICP linear range).

M - Marriz Spike Recovery outside firmits

R - RPD outside recovery limits

ND - Not Detected at the Reporting Limit

49

LIMS Version #: 040929_1500



Project:

Analytical Services Center

International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

URS Corporation Client:

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0210

Alt. Client ID:

Collection Date: 9/16/2004 10:35:00 A % Moist:

Lab ID 0409182-04D

Sample Type: SAMP

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3

Method: EPA335.3

Prep Method: EPA335.3

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Cyanide	ND		0.01	mg/L	1	10/1/2004 5:01:32 PM	LACHÁT_CN_041001A	RLG

Definitions:

* · Recovery outside QC fimits

DP - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyse found in Method blank

DNI - Did not Ignite

J - Estimated value NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Metrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

50 R - RPD outside recovery limits

LIMS Version #: 040929_1500



International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client:

URS Corporation

Lab Order: 0409182

Project:

Energy East Plattsburgh

Client Sample ID: BSGUD0101

Alt. Client ID:

Collection Date: 9/16/2004 11:00:00 A % Moist:

Lab ID 0409182-05D

Sample Type: SAMP

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3

Method: EPA335.3

Prep Method: EPA335.3

Analyte	Result Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst
Cyanide	ND	0.01	mg/L	1	10/1/2004 5:02:29 PM	RLG

Definitions:

* - Recovery outside QC limits

DF - Dikition Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not [gnite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D · Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range). ,

M - Matrix Spike Recovery outside fimits

ND - Not Detected at the Reporting Limit

51 R - RPD outside recovery limits

LIMS Version #: 040929_1500



International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

URS Corporation Client:

Lab Order: 0409182

Project: Energy East Plattsburgh Client Sample ID: BSGDD0106

Alt. Client ID:

Collection Date: 9/16/2004 11:40:00 A % Moist:

Lab ID 0409182-06D

Sample Type: SAMP

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3

Method: EPA335.3

Prep Method: EPA335.3

Analyte	Result Q	Limit	Units	DF Date Analyzed Run Batch ID Analyst
Cyanide	ND	0.01	mg/L	1 10/1/2004 5:03:27 PM LACHAT_CN_041001A RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H · Value fixceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

I - Estimated value

NC - Not Calculated P · Post Spike Recovery outside limits D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits

52

LIMS Version #: 040929_1500



Lab Order: 0409182

Client:

Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Energy East Plattsburgh

CYANIDE, TOTAL BY METHOD 335.3

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Prep Method: EPA335.3

URS Corporation Client Sample ID: BSGDD0102

Alt. Client ID:

Method: EPA335.3

Collection Date: 9/16/2004 12:10:00 P % Moist:

Lab ID 0409182-07D Sample Type: SAMP Test Code: 1_335.3_CN_W Matrix: Water

Analyte Result Q Limit Units DF Date Analyzed Run Batch ID Analyst Cyanide ND 0.01 1 10/1/2004 5:06:21 PM LACHAT_CN_041001A mg/L RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B · Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D · Diluted due to maxtrix or extended larget compounds

E - Result above quantitation limit (high standard or ICP linear range).

M · Matrix Spike Recovery outside firmits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: **URS** Corporation

Lab Order: 0409182

Project:

Energy East Plattsburgh

Client Sample ID: BSGDD0107

Alt. Client ID:

Collection Date: 9/16/2004 12:50:00 P

% Moist:

Lab ID 0409182-08D

Sample Type: SAMP

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3

Method: EPA335.3

Prep Method: EPA335.3

Analyte	Result Q	Limit	Units	DF Date Analyzed Run Batch ID Analyst
Cyanide	ND	0.01	mg/L	1 10/1/2004 5:07:19 PM LACHAT_CN_041001A RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Magirtum Commissed Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC · Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to maxicix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery fimins



Project:

Analytical Services Center

International Specialists in Environmental Analysis

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Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: **URS** Corporation

Client Sample ID: BSGDIM0107

Lab Order: 0409182

Energy East Plattsburgh

Alt. Client ID:

Collection Date: 9/16/2004 1:50:00 PM % Moist:

Lab ID 0409182-09D

Sample Type: SAMP

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3

Method: EPA335.3

Prep Method: EPA335.3

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Cyanide	0.00797	J	0.01	mg/L	1	10/1/2004 5:08:18 PM	LACHAT_CN_041001A	ЯLĞ

Definitions:

* - Recovery outside QC Emits

DF - Dilution Factor

H - Value Exceeds Maximum Conteminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside firms

D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery littrius



Project:

Cyanide

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

RLG

Client Sample ID: DUP09/16/04

Alt. Client ID:

Collection Date: 9/16/2004 7:00:00 AM % Moist:

1 10/1/2004 5:09:16 PM LACHAT_CN_041001A

Lab ID 0409182-10D

Lab Order: 0409182

URS Corporation

Energy East Plattsburgh

Sample Type: SAMP

ND

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3				N	Nethod:	EPA335.3	Prep Method:	EPA335.3
	<u> </u>					·		
Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch II	O Analyst

mg/L

0.01

Definitions:

• - Recovery outside QC legita

DP - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value NC - Not Calculated

P - Post Spike Recovery outside limits

D - Dilated due to mattrix or extended target compounds

E - Result above quantization limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



Project:

Analytical Services Center

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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: **URS** Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0109

Alt. Client ID:

Collection Date: 9/16/2004 9:00:00 AM % Moist:

Lab ID 0409182-01D

Sample Type: SAMP

Matrix: Water

Test Code: 1_335.3_CN_W

CYANIDE, TOTAL BY METHOD 335.3

Method: EPA335.3

Prep Method: EPA335.3

Analyte	Result Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst
Cyanide	ND	0.01	mg/L	1	10/1/2004 4:56:47 PM LACHAT_CN_041001/	A RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DN1 - Did not Ignita

J - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D - Diluted due to mazerix or extended target compounds

B - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

URS Corporation

0409182

Work Order: CLIENT

Project:

Energy East Plattsburgh

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

QC SUMMARY REPORT

Sample Matrix Spike

Syanide, Total by Method 335.3						Test Code: 1_335.3_CN_W	335.3_CN_	W		Units: mg/L		
Sample ID 0409182-01DS	Client Sample ID: BSGDD01	8 D: B	SGDD0109						Ë.	1 DL_No:	<u>ö</u>	
3un Batch ID: LACHAT_CN_041001A	SeqNo: 1034818	34818	Analysis Da	tle 10/1/200	Analysis Date 10/1/2004 4:57:44 PM	Prep Batch ID: 200403798	h ID: 200	403798		Prep Dale 9/27/2004	1/27/2004	
Analyte Type / Name	ď	Result	MDL	권	Spike Value Orig Result %REC LowLimit HighLimit	Orlg Result	%REC	LowLimit	HighLimit	RPD	RPD RPD Limit 1 Qual	Qual
Cyanide	0.1	1109	0.1109 0.003130	0.01000	0.1000	0	113	66	110			Σ

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. - Recovery outside QC limits DNI - Did not Ignite

M · Matrix Spike Recovery outside limits

'ootnotes: 1 - Represents RSD Limit for Quad Analynia NP · Petroleum Pattera is not present

RL - Reporting Limit

 $\boldsymbol{D} \cdot \boldsymbol{Dil} \boldsymbol{h} t \boldsymbol{c} d \boldsymbol{u} \boldsymbol{c}$ to maxing or extended target compounds E - Result above quantitation limit (high standard or ICP linea H - Value Exceeds Maximum Contaminant Level NC - Nor Calculated P - Post Spike Recovery outside limits B - Analyte found in Method blank N - Single Column Analysis

R - RPD outside recovery limits

Analyte Types: S · Surregue 1 - Internal Standard

DF · Dilution Factor J - Estimated value

ND - Not Detected at the Reporting Limit

cology & Particonnent Inc. LIMS Version #: 040929_1500

Monday, October 04, 2004 2:06:39 PM



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

URS Corporation

0409182

Work Order: CLIENT:

Project:

10486 NYS ELAP ID#:

Laboratory Results

Phone: (716) 685-8080

OC SUMMARY REPORT

Sample Matrix Spike Duplicate

Cyanide, Total by Method 335.3

Energy East Plattsburgh

RPD LImit 1 Qual Prep Date 9/27/2004 Ö, N Units: mg/L RPD 11.6 5 HighLimit 띪 LowLimit 8 Prep Batch ID: 200403798 Test Code: 1_335.3_CN_W %HEC g Orlg Result Spike Value Analysis Date 10/1/2004 4:58:41 PM 0.1000 0.01000 Client Sample ID: BSGDD0109 절 0.003130 SeqNo: 1034819 Result 0.09867 Run Batch ID: LACHAT_CN_041001A Sample ID 0409182-01DS1 Analyte Type / Name Cyanide

Qualifier Definitions:

. Recovery outside QC limits DNI - Did not Ignite

M - Matrix Spike Recovery outside limits NP - Petroleum Pattern is not present

Footnotes: 1 - Represents RSD Limit for Quad Analysis

B - Result above quantitation limit (high standard or ICP linea H - Value Exceeds Maximum Contaminant Level R - RPD outside recovery limits NC - Not Calculated

P - Post Spike Recovery outside limits

RL - Reporting Limit

N - Single Column Analysis

B - Applyte found in Method blank

S - Surrogale 1 - Internal Standard Analyte Types:

ND - Not Detected at the Reporting Limit J · Estimated value

DF · Dilution Factor

D - Diluted due to maxtrix or extended target compounds

Ecology Mcnutronment Inc. LIMS Version #: 040929_1500



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Energy East Plattsburgh

URS Corporation

0409182

Work Order: CLIENT:

Project:

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

OC SUMMARY REPORT

Laboratory Control Spike

Cyanide, Total by Method 335.3						Test Code: 1_335.3_CN_W	335.3_CN	W		Units: mg/L	
Sample ID LCS-200403798	Client Sample ID:	nple ID:							ë.	1 DL_No: 1	
Run Batch ID: LACHAT_CN_041001A	SeqNo: 1034816	1034816	Analysis	Date 10/1/200	Analysis Date 10/1/2004 4:55:48 PM	Prep Batc	Prep Batch ID: 200403798	A03798		Prep Date 9/27/2004	4
Analyte Type / Name		Result	MDL	H.	Spike Value Orig Result %REC LowLimit HighLimit	Orig Result	%REC	LowLimit	HighLlmit	RPD RPD Limit 1 Qual	imit 1 Qual
Cyanide	0	.09648	0.09648 0.003130	0.01000	0.1000	0	96	6	110		

Qualifler Definitions:

B - Result above quantitation limit (high standard or ICP linea H - Value Exceeds Maximum Contaminant Level B - Analyte found in Method blank . Recovery outside QC limits DNI - Did not Ignite

P - Post Spike Recovery outside limits

RL - Reporting Llmit

Footnotes: 1 - Represents RSD Limit for Quad Analysis

M - Matrix Spike Recovery outside limits NP - Petroleum Pattern is not present

N - Single Column Analysis

Analyte Types: S - Surogate I - Internal Standard

R · RPD outside recovery limits NC - Not Calculated

ND - Not Detected at the Reporting Limit

DF - Dilution Factor J · Estimated value

D - Dibited due to maxing or extended target compounds

Ecology Chrylroument Inc. LIMS Version #: 040929_1500



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

URS Corporation

0409182

Work Order: CLIENT:

Project:

Energy East Plattsburgh

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

OC SUMMARY REPORT

Method Blank

RPD Limit 1 Qual

DL_No:

Prep Date 9/27/2004 Units: mg/L 잂 HighLimit ä %REC LowLimit Prep Batch ID: 200403798 Test Code: 1_335,3_CN_W Spike Value Orig Resuft Analysis Date 10/1/2004 4:54:50 PM SeqNo: 1034817 Result Client Sample ID: Syanide, Total by Method 335.3 Pun Batch ID: LACHAT_CN_041001A Sample ID MB-200403798 Analyte Type / Name

0.01000

0.003130

Ş

Cyanida

Judiffer Definitions:

E - Result above quantitation timit (high standard or ICP linea H - Value Exceeds Maximum Contaminant Level B - Analyte found in Method blank . - Recovery outside QC limits

N - Single Column Analysis P - Post Spike Recovery outside limits

RL - Reporting Limit

R - RPD outside recovery limits

ND - Not Detected at the Reporting Limit

DF - Dilution Factor J - Estimated value

D · Diluted due to maxifix or extended larget compounds

ootnotes: 1 - Represents RSD Limit for Quad Analysis

M - Matrix Spike Recovery outside limits

DNI - Did not Ignite

NP - Petroleum Pattern is not present

Analyte Types: S - Surrogate 1 - Internal Standard

cology & Environment Inc. LIMS Version #: 010929_1500



Project:

Analytical Services Center

International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

URS Corporation Client:

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0109

Alt. Client ID:

Collection Date: 9/16/2004 9:00:00 AM % Moist:

Lab ID 0409182-01C

Sample Type: SAMP

Matrix: Water

Test Code: 1_9065ME_W

PHENOLS (D	IRECT) IN W	ATER BY	METHOD	9065M (4AAP)
------------	-------------	---------	--------	--------------

Method: SW9065ME

Prep Method: NA

			(,				. rop momou. Ttr	-
Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.00372	J	0.005	ma/L	1	10/4/2004 9:55:08 AM	LACHAT PHENOLS O	4100 FLG

Definitions:

• - Recovery outside QC femile

DF - Dilution Factor

H - Value Extends Maximum Contaminant Level

N - Single Column Ambrais

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not ignite

J - Estimated value

NC - Not Calculated P - Post Spike Recovery ouzside limits D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

R - RPD outside recovery limits

ND - Not Detected at the Reporting Limit



Client:

Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client Sample ID: BSGDD0203

Alt. Client ID:

Collection Date: 9/16/2004 9:40:00 AM % Moist:

Lab ID 0409182-02C

Lab Order: 0409182

URS Corporation

Energy East Plattsburgh

Sample Type: SAMP

Matrix: Water

Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP)

Method: SW9065MF

Prep Method: NA

(2201)		, ,	,,		0113003ME	Tiep mediou, ItA	•
Analyte	Result Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.0234	0.005	mg/L	1	10/4/2004 9:56:10 AM	LACHAT_PHENOLS_04	1100 RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pustern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside Emits

D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD outside recovery limits



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client:

URS Corporation

Lab Order: 0409182

Project: Energy East Plattsburgh Client Sample ID: BSGDD0111

Alt. Client ID:

Collection Date: 9/16/2004 10:10:00 A % Moist:

Lab ID 0409182-03C

Sample Type: SAMP

Matrix: Water

Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP)

Method: SW9065ME

Prep Method: NA

•								
Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.0187		0.005	mg/L	1	10/4/2004 9:57:11 AM	LACHAT_PHENOLS_04	4100 RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to maximix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit R - RPD outside recovery limits



Project:

Phenolics, Total

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: **URS** Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0210

Alt. Client ID:

Collection Date: 9/16/2004 10:35:00 A % Moist:

1 10/4/2004 9:58:12 AM LACHAT_PHENOLS_04100

Lab ID 0409182-04C

Sample Type: SAMP

0.00692

Matrix: Water

Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP)

Method: SW9065ME

Prep Method: NA

RLG

						<u> </u>		
Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst

mg/L

0.005

Definitions:

- Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside Emits

D - Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

R - RPD nutside recovery limits



Lab Order: 0409182

Client:

Project:

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Energy East Plattsburgh

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#:

10486

Phone: (716) 685-8080

URS Corporation Client Sample ID: BSGUD0101

Alt. Client ID:

Collection Date: 9/16/2004 11:00:00 A % Moist:

Lab ID 0409182-05C Sample Type: SAMP Matrix: Water Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP) Method: SW9065ME Prep Method: NA

Analyte Result Q Limit Units DF Date Analyzed Run Batch ID Analyst

Phenolics, Total 0.00713 0.005 mg/L 1 10/4/2004 9:59:14 AM LACHAT_PHENOLS_04100 RLG

Definitions:

• - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

I - Estimand value

NC - Not Calculated

P - Post Spike Recovery outside Irrais

D · Diluted due to maxtrix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

R - RPD outside recovery Emits

ND - Not Detected at the Reporting Limit



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Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#:

10486

1 10/4/2004 10:00:15 AM LACHAT_PHENOLS_04100

Phone: (716) 685-8080

Client:

URS Corporation

Lab Order: 0409182

Project:

Phenolics, Total

Energy East Plattsburgh

Client Sample ID: BSGDD0106

Alt. Client ID:

Cyllection Date: 9/16/2004 11:40:00 A

١

RLG

Lab ID 0409182-06C

Sample Type: SAMP

0.0425

Matrix: Water

Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP)

Method: SW9065ME

Prep Method: NA

<u> </u>						
Analyte	Result Q	Limit	Units	DF	Date Analyzed Run Batch ID	Analyst
_						

mg/L

0.005

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H · Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method Nank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D - Diluted due to masteix or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit R - RPD outside recovery limits



International Specialists in Environmental Analysis 4493 Walden Avenue

Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#:

10486

Phone: (716) 685-8080

Client:

Project:

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDD0102

Alt. Client ID:

Collection Date: 9/16/2004 12:10:00 P

% Moist:

Lab ID 0409182-07C

Sample Type: SAMP

Matrix: Water

Test Code: 1_9065ME_W

Prep Method: NA

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP)

Method: SW9065ME

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.106		0.005	mg/L	1	10/4/2004 10:01:16 AM	LACHAT_PHENOLS_O	1100 FILG

Definitions:

• - Recovery outside QC ferrius

DF - Dilution Factor

H · Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is pot present

B - Analyte found in Method blank

DNI - Did not ignite

J - Estimated value NC - Not Calculated

P - Post Spike Recovery outside Equits

D - Diluted due to maximix or extended target compounds

6 - Result above quantitation limit (high grandant or ICP linear range),

M - Matrix Spike Recovery outside Errica

ND - Not Detected at the Reporting Limit

68 R - RPD outside recovery famils



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Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client:

URS Corporation

Project: **Energy East Plattsburgh**

Lab Order: 0409182

Alt. Client ID:

Client Sample ID: BSGDD0107

Collection Date: 9/16/2004 12:50:00 P

% Moist:

Lab ID 0409182-08C

Sample Type: SAMP

Result Q

Matrix: Water

Units

Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP)

Limit

Method: SW9065ME

DF

Prep Method: NA

Analyst

Phenolics, Total

Analyte

0.0311

0.005 mg/L

1 10/4/2004 10:02:16 AM LACHAT_PHENOLS_04100

Date Analyzed Run Batch ID

Definitions:

· - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated P - Post Spike Recovery outside limits D - Diluted due to maxirix or extended target compounds

E - Result above quantitation first (righ standard or ICP linear range).

M - Matrix Spike Recovery outside limits

ND · Not Detected at the Reporting Limit

R - RPD outside recovery limits



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Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client:

Project:

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: BSGDIM0107

Alt. Client ID:

Collection Date: 9/16/2004 1:50:00 PM % Moist:

Lab ID 0409182-09C

Sample Type: SAMP

Matrix: Water

Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP)

Method: SW9065ME

Prep Method: NA

	,	•					
Analyte	Result Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.167	0.005	mg/L	1	10/4/2004 10:03:17 AM	LACHAT_PHENOLS_04100	RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattera is not present

B - Analyte found in Method blank

DNI - Did not Ignite

J - Estimated value

NC - Not Calculated

P - Post Spike Rocovery outside limits

D - Diluted due to maxtrix or extraded target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M · Matrix Spike Recovery outside limits

ND - Not Detected at the Reporting Limit

70 R - RPD outside recovery limits

LIMS Version #: 040929_1500



International Specialists in Environmental Analysis 4493 Walden Avenue Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#:

Phone: (716) 685-8080

10486

Client:

Project:

URS Corporation

Lab Order: 0409182

Energy East Plattsburgh

Client Sample ID: DUP09/16/04

Alt. Client ID:

Collection Date: 9/16/2004 7:00:00 AM % Moist:

Lab ID 0409182-10C

Sample Type: SAMP

Matrix: Water

Test Code: 1_9065ME_W

PHENOLS (DIRECT) IN WATER BY METHOD 9065M (4AAP)

Method: SW9065ME

Prep Method: NA

	·	•					'
Analyte	Result Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Phenolics, Total	0.118	0.005	mg/L	1	10/4/2004 10:04;17 AM	LACHAT_PHENOLS_04	100 RLG

Definitions:

* - Recovery outside QC limits

DF - Dilution Factor

H - Value Exceeds Maximum Contaminant Level

N - Single Column Analysis

NP - Petroleum Pattern is not present

B - Analyte found in Method blank

DNI - Did not Ignite

I - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Dibuted due to maximiz or extended target compounds

E - Result above quantitation limit (high standard or ICP linear range).

M - Matrix Spike Recovery outside limins

ND - Not Detected at the Reporting Limit

71 R - RPD outside recovery limits



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

URS Corporation

0409182

Work Order: CLIENT:

Project:

Energy East Plattsburgh

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

OC SUMMARY REPORT

Laboratory Control Spike

Phenols (Direct) in Water by Method 9065M (4AAP)	9065M (4A	AP)				Test Code: 1_9065ME_W	9065ME_V	_		Units: mg/L		
Sample ID LCS-200403878 C	Client Sample ID:	<u>;</u>							<u>유</u>	1 DL_No:	-	
Pun Batch ID: LACHAT_PHENOLS_041004A SeqNo: 1035521	SeqNo: 103	35521	Analysis I	Date 10/4/200	Analysis Date 10/4/2004 9:44:04 AM	Prep Batc	Prep Batch ID: 200403878	403878		Prep Date 10/2/2004	0/2/2004	
Analyte Type / Name	¥	Result	MDL	님	Spike Value Orig Result %REC LowLimit HighLimit	Orig Resuft	%REC	LowLimit	HighLimlt	HPD	RPD RPD Limit 1 Qual	Qual
Phenolics, Total	0.1	083	0.1083 0.002860	0.00500.0	0.1000	0	108	75	125			

- Recovery outside QC limits DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

botnotes: I - Represents RSD Limit for Quad Analysis NP - Petroleum Pattern is not present

E - Result above quantitation limit (high standard or ICP linea H · Value Exceeds Maximum Contaminant Level P - Post Spike Recovery outside limits N - Single Column Analysis

RL - Reporting Limit

B - Analyte found in Method blank

R - RPD outside recovery limits NC - Not Calculated

Analyte Types: S - Surogate 1 - Internal Standard

J - Estimated value

DF - Dilution Factor

 $\boldsymbol{D} \cdot \boldsymbol{Diluted}$ due to maxinx or extended target compounds

ND - Not Detected at the Reporting Limit

kalogy Aurtranment Inc. LIMS Version #: 040929_1500



International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

Energy East Plattsburgh

URS Corporation

Work Order: CLIENT

Project:

NYS ELAP ID#: 10486

Laboratory Results

Phone: (716) 685-8080

OC SUMMARY REPORT

Method Blank

Phenols (Direct) in Water by Method 9065M (4AAP)	9065M (4AA	<u>G</u>				Test Code: 1_9065ME_W	9065ME_W			Units: mg/L	
Sample ID MB-200403878	Client Sample ID:	ë							Ë	1 DL_No:	<u>0</u> :
Run Batch ID: LACHAT_PHENOLS_041004A SeqNo: 1035522	SeqNo: 103	5522	Analysis Dat	9 10/4/20	llysis Date 10/4/2004 9:43:03 AM	Prep Batc	Prep Batch ID: 200403878	103878		Prep Date 10/2/2004	0/2/2004
Analyte Type / Name	Re	Result	MDL	겉	Spike Value Orig Result %REC LowLimit HighLimit	Orig Result	%REC	LowLimit	HighLimit	APD	RPD RPD Limit 1 Qual
Phenolics, Total	_	QN	ND 0.002860 0	0.005000							

Qualifier Definitions:

· Recovery outside QC limits DNI - Did not Ignite

M - Matrix Spike Recovery outside limits

NP · Petroleum Pattern is not present

RL - Reporting Limit 'colnotes: I - Represents RSD Limit for Quad Analysis

P - Post Spike Recovery outside lingu

N - Single Column Analysis

B - Amlyte found in Method blank

 $\mathbf{D} \cdot \mathbf{Diffuled}$ due to maximix or extended target compounds E - Restult above quantitation limit (high standard or ICP linea H · Value Exceeds Maximum Contaminant Level

NC - Not Calculated

ND · Not Detected at the Reporting Limit

DF - Dilution Factor J - Estimated value

R · RPD outside recovery limits

Analyte Types: S · Surogate 1 · Internal Standard

kology & Unvironment Inc. LIMS Version #: 040929_1500

SUMMARY OF HISTORIC	APPENDIX D E BEDROCK GROUNDWATER	R ANALYTICAL RESULTS

APPENDIX D HISTORIC BEDROCK GROUNDWATER ANALYTICAL RESULTS

NYSEG-BRIDGE STREET FORMER MGP SITE PLATTSBURGH, NEW YORK

D (MW	V-1B	MW	/-2B	MW	/-3B	MW	V-6B	MW-7BD		
Parameter	1/28/2002	9/16/2004	1/30/2002	9/16/2004	10/4/2002	9/16/2004	1/28/2002	9/16/2004	1/30/2002	9/16/2004	
				Benzene, T	oluene, Ethyl	benzene, Xyle	nes (µg/L)				
Benzene	4	0.643J	1,300	910	64	6.59	1.00	1.58	1,300	464	
Ethylbenzene	<1	<1	1,500	1,520	<1	0.317J	<1	1.71	930	279	
Toluene	<1	0.382J	2,600	1,790	4	0.768J	<1	1.61	1,900	581	
Xylene, total	<1	<2	2,800	2,800	<1	<2	<1	4.22	2,300	855	
Total BTEX	4	1.03	8,200	7,020	68	7.68	1.00	9.12	6,430	2,179	
				Poly	aromatic Hya	drocarbons (μ	g/L)				
2-Methylnaphthalene	<10	<9.43	170J	457	<10	<9.52	<10	5.51J	640	222J	
Acenaphthene	<10	<9.43	26J	94.2J	<10	<9.52	<10	<9.8	160J	39.4	
Acenaphthylene	<10	<9.43	280	497	<10	<9.52	<10	4.89J	920	230J	
Anthracene	<10	<9.43	< 200	190J	<10	<9.52	<10	<9.8	240J	26.6	
Benzo(a)anthracene	<10	<9.43	< 200	122J	<10	<9.52	<10	<9.8	100J	11.9	
Benzo(a)pyrene	<10	<9.43	< 200	128J	<10	<9.52	<10	<9.8	40J	10.6	
Benzo(b)fluoranthene	<10	<9.43	< 200	31.6J	<10	<9.52	<10	<9.8	44J	4.94J	
Benzo(g,h,i)perylene	<10	<9.43	< 200	92.9J	<10	<9.52	<10	<9.8	<400	8.08J	
Benzo(k)fluoranthene	<10	<9.43	< 200	37.4J	<10	<9.52	<10	<9.8	48J	5.8J	
Chrysene	<10	<9.43	< 200	117J	<10	<9.52	<10	<9.8	100J	11.2	
Dibenz(a,h)anthracene	<10	<9.43	< 200	<243	<10	<9.52	<10	<9.8	<400	1.31J	
Fluoranthene	<10	<9.43	< 200	208	<10	<9.52	<10	<9.8	300J	46.9	
Fluorene	<10	<9.43	34J	161	<10	<9.52	<10	<9.8	300J	62.6	
Indeno(1,2,3-cd)pyrene	<10	<9.43	< 200	55.5J	<10	<9.52	<10	<9.8	<400	12.4	
Naphthalene	<10	<9.43	3,000	4,030	<10	<9.52	<10	11.1	6,400	2,420	
Phenanthrene	<10	<9.43	68J	30J	<10	<9.52	<10	2.79J	1,000	6.06J	
Pyrene	<10	<9.43	< 200	299	<10	<9.52	<10	<9.8	560	56	
Total PAHs	ND	ND	3,578	6,550	ND	ND	ND	24.3	10,852	3,176	
					General Che	mistry (μg/L)					
Total Phenols	<2	7.13	36	118	NA	23.4	234	42.5	207	31.1	
Free Cyanide	<10	NA	<10	NA	NA	NA	<10	NA	<10	NA	
Total Cyanide	<10	<10	<10	<10	110	<10	<10	<10	<10	<10	

Notes:

NA - Not Analyzed

ND - Not Detected

< - Indicates the parameter was not detected above the PQL shown

J - Indicates an estimated concentration between the MDL and PQL

APPENDIX D HISTORIC BEDROCK GROUNDWATER ANALYTICAL RESULTS

NYSEG-BRIDGE STREET FORMER MGP SITE PLATTSBURGH, NEW YORK

D	MW	-7BS	MW-7DD	MW-8B	MW-8BD	MW	7-9B	MW	-10B	MW	′-11B
Parameter	1/29/2002	9/16/2004	10/16/2002	12/28/2001	2/27/2002	1/30/2002	9/16/2004	10/4/2002	9/16/2004	1/28/2002	9/16/2004
				Benz	ene, Toluene,	Ethylbenzene	e, Xylenes (μg	/L)			
Benzene	86	29.1	< 0.5	< 0.5	< 0.5	3	0.434J	6.00	1.68	< 0.5	2.82
Ethylbenzene	79	20.8	<1	<1	<1	<1	<1	<1	0.292J	<1	1.93
Toluene	45	6.1	<1	<1	<1	<1	0.357J	<1	0.475J	<1	5.32
Xylene, total	111	19.6	<1	<1	<1	8	<2	<1	<2	<1	5.58
Total BTEX	321	75.6	ND	ND	ND	11	0.791	6.00	2.45	ND	15.7
					Polyaromat	ic Hydrocarbo	ons (µg/L)				
2-Methylnaphthalene	69	13.1	<10	<10	<17	<10	< 9.62	<10	<9.8	<10	<9.71
Acenaphthene	114	66	<10	<10	<17	<10	< 9.62	<10	<9.8	<10	<9.71
Acenaphthylene	35	21.8	<10	<10	<17	<10	1.87J	<10	<9.8	<10	1.17J
Anthracene	23	8.3J	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Benzo(a)anthracene	<10	1.29J	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Benzo(a)pyrene	<10	0.982J	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Benzo(b)fluoranthene	<10	<9.52	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Benzo(g,h,i)perylene	<10	<9.52	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Benzo(k)fluoranthene	<10	< 9.52	<10	<10	<17	<10	< 9.62	<10	<9.8	<10	<9.71
Chrysene	<10	1.2J	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Dibenz(a,h)anthracene	<10	<9.52	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Fluoranthene	6J	8.69J	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Fluorene	33	17.7	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Indeno(1,2,3-cd)pyrene	<10	<9.52	<10	<10	<17	<10	<9.62	<10	<9.8	<10	<9.71
Naphthalene	380	147	<10	<10	<17	4.5J	< 9.62	<10	1.58J	<10	2.42J
Phenanthrene	61	52.9	<10	<10	<17	<10	< 9.62	<10	<9.8	<10	<9.71
Pyrene	6J	11	<10	<10	<17	<10	< 9.62	<10	<9.8	<10	<9.71
Total PAHs	727	350	ND	ND	ND	4.50	1.87	ND	1.58	ND	3.59
					Genera	ıl Chemistry (_l	ug/L)				
Total Phenols	28	167	NA	<2	7	123	3.72J	NA	6.92	247	18.7
Free Cyanide	<10	NA	NA	<10	NA	130	NA	NA	NA	<10	NA
Total Cyanide	40	7.97J	20	<10	NA	130	<10	<10	<10	<10	3.75J

Notes:

NA - Not Analyzed ND - Not Detected

< - Indicates the parameter was not detected above the PQL shown

J - Indicates an estimated concentration between the MDL and PQL

APPENDIX E PHOTOGRAPHS



Photo 1: Angle Well packer removal.



Photo 2: Packer removed from Angle Well.



Photo 3: Angle Well packer.



Photo 4: Angle Well packer.



Photo 5: Angle Well packer.



Photo 6: View of inside of 2" PVC (above packer) from Angle Well.



Photo 7: Disposing of PVC from Angle Well packer.



Photo 8: Disposing of PVC from Angle Well packer.



Photo 9: Purge out standing water in Angle Well.



Photo 10: Purge out standing water in Angle Well.



Photo 11: Purge water drum from Angle Well.



Photo 12: View of pump immediately after purging water from Angle Well.



Photo 13: Grouting up Angle Well.



Photo 14: Angle Well after grouting.



Photo 15: View of site and Gore sorber points.



Photo 16: View of site.



Photo 17: View of site.



Photo 18: View of shed at site.