NYSEG

New York State Electric & Gas Corporation

Bridge Street Former Manufactured Gas Plant
Plattsburgh, New York

2004 ANNUAL OPERATION, MAINTENANCE, AND MONITORING SUMMARY REPORT

JUNE 3, 2005

Prepared For:
New York State Electric & Gas Corporation
Kirkwood Industrial Park
Binghamton, New York

URS

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

TABLE OF CONTENTS

1.0 INTRODUCTION 1
2.0 SCOPE OF WORK 2
2.1 SOIL VAPOR SAMPLING 2
2.2 ANNUAL WELL INSPECTION AND NAPL MONITORING 2
2.3 ANNUAL GROUNDWATER MONITORING 2
2.4 MONITORING WELL DECOMMISSIONING 3
3.0 LABORATORY ANALYTICAL RESULTS 5
3.1 SOIL VAPOR SAMPLES 5
3.2 GROUNDWATER SAMPLES 5
4.0 SUMMARY AND CONCLUSIONS 8
5.0 RECOMMENDATIONS 9
6.0 REFERENCES 10

LIST OF TABLES

Table 1 – Summary of Passive Soil Vapor Samples
Table 2 – Summary of Water Levels, NAPL Checks, and Purging Data
Table 3 – Summary of Passive Soil Vapor Samples Analytical Results
Table 4 – Summary of Groundwater Samples Analytical Results

LIST OF FIGURES

Figure 1 – Site Location Map
Figure 2 – Passive Soil Vapor Sampling Location Map
Figure 3 – Monitoring Well Location Map

LIST OF APPENDICES

Appendix A – Passive Soil Vapor Sample Laboratory Analytical Report
Appendix B – Groundwater Sample Field Data Sheets
Appendix C – Groundwater Sample Laboratory Analytical Report
Appendix D – Summary of Historic Bedrock Groundwater Analytical Results
Appendix E – Photographs

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

forms (Appendix A). The monitoring wells were purged until dry or the field parameters had stabilized to within ∀ 0.1 pH unit, ∀ 0.2 degree Celsius (^{o}C), and ∀ 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^{o}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.

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 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).

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 µg/L at MW-9B to 7,020 µg/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)
*- NAPL has been detected in the monitoring well. The concentration may not be representative of groundwater quality.

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 µg/L at MW-10B to 8,377 µg/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*

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
* - 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.

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 µg/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 µg/L] and MW-11B [3.75 µg/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 µg/L at MW-9B to 167 µg/L at MW-7BS. The NYSDEC groundwater standard for phenols is 1 µg/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.

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.

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.

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*.

URS Corporation, 2004. *Operation, Maintenance, & Monitoring Plan*. August 17, 2004.

URS Corporation, 2004. *Remedial Investigation Report*, January 15, 2004.

USEPA, 1987. *A Compendium of Superfund Field Operations Methods*, EPA/540/P-87-001, (OSWER Directive 9355.0-14). December. Cincinnati, OH: USEPA.

USEPA SW-846. *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods.*

TABLES

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:
* Depth at which water was encountered in boring.
NE - Geoprobe refusal. Groundwater not encountered.

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 (^{o}C)	pH	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	-	-	-	-	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	-	-	-	-	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	-	-	-	-	No sample collected - well abandoned
MW-8B	9/15/2004	-	-	-	ND	-	-	-	-	No sample collected - well abandoned
MW-8BD	9/15/2004	-	-	-	ND	-	-	-	-	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 Organic Compounds (ug/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*
Semivolatile Organic Compounds (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.

FIGURES

GRAPHIC SCALE

0 30 60 90 Feet

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

Title: SITE LOCATION MAP

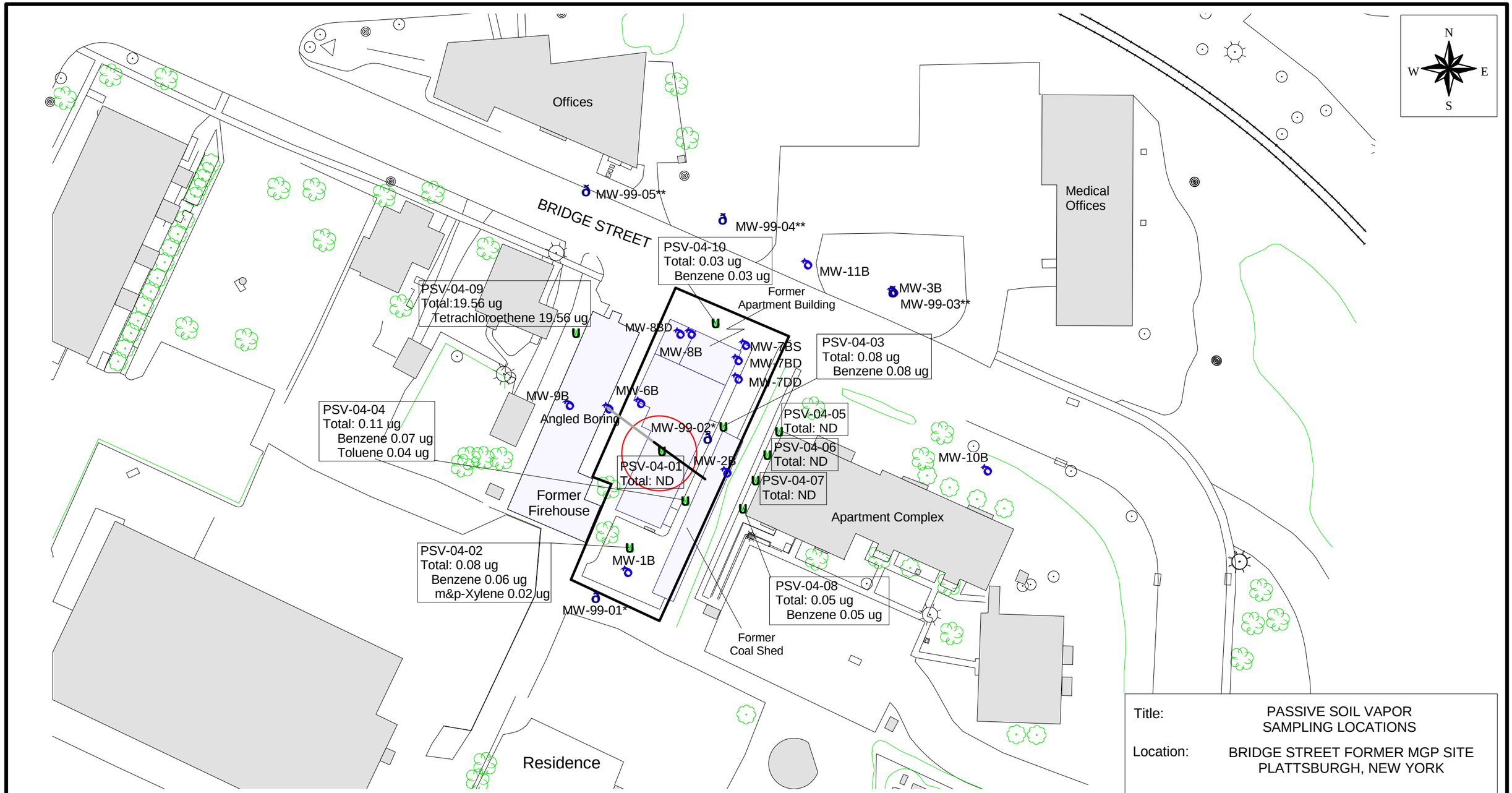
Location: BRIDGE STREET FORMER MGP SITE
PLATTSBURGH, NEW YORK

Client: NYSEG NEW YORK STATE ELECTRIC AND GAS

URS
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



LEGEND

- Passive Soil Vapor Sampling Location
- Overburden Monitoring Well
- Bedrock Monitoring Well
- Property Boundary (approx.)
- Former Gas Holder
- Former Structures (approx.)
- Buildings

GRAPHIC SCALE

0 30 60 90 Feet

Title: PASSIVE SOIL VAPOR SAMPLING LOCATIONS

Location: BRIDGE STREET FORMER MGP SITE
PLATTSBURGH, NEW YORK

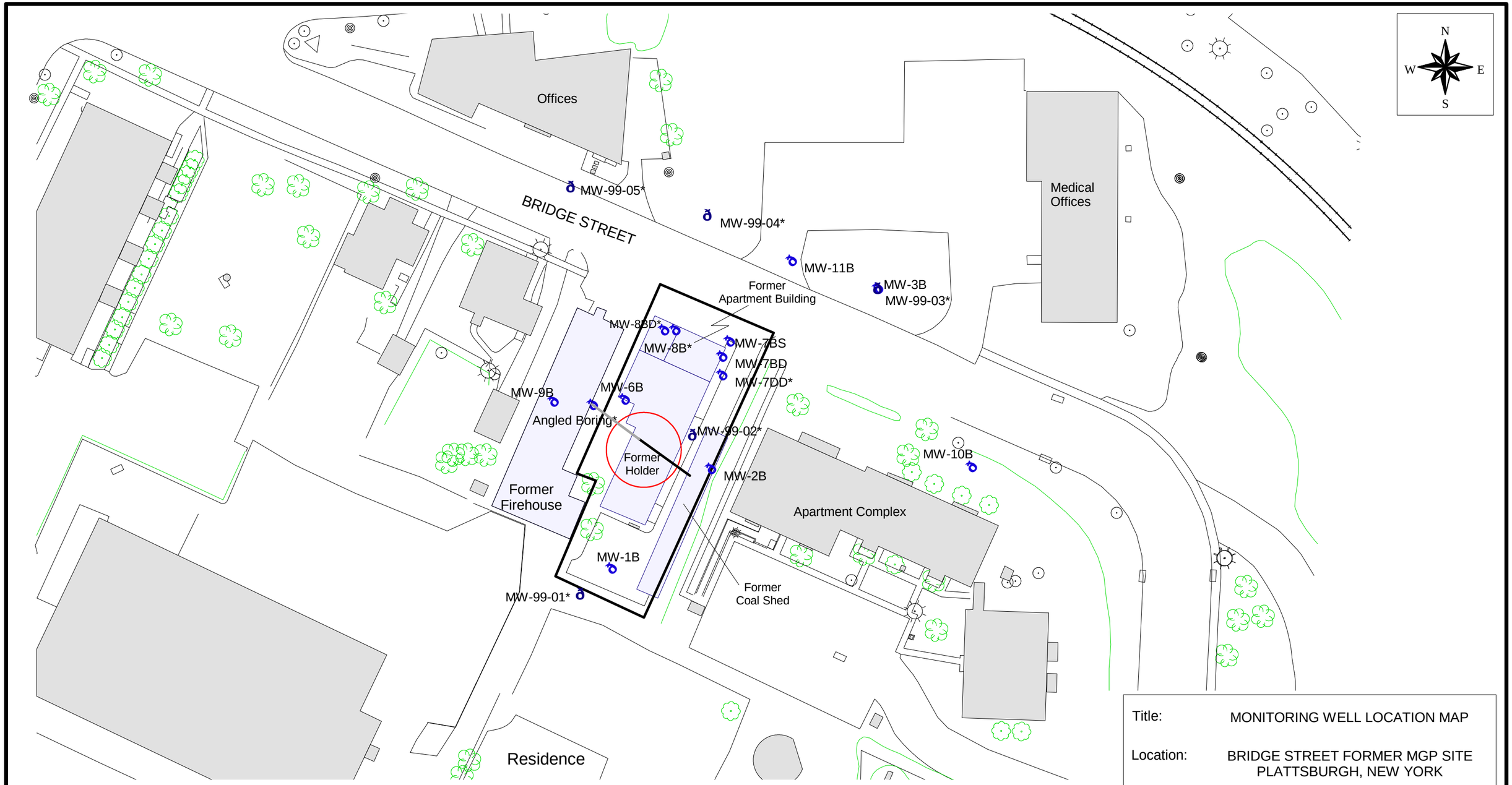
Client: NYSEG NEW YORK STATE ELECTRIC AND GAS

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

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

FIGURE 2

p:\database\nyseg\bridge street\arcview\bridge st - gmp.apr/Fig. 2 - Passive Soil Vapor Sampling Locations



LEGEND

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Property Boundary (approx.)
- Former Gas Holder
- Former Structures (approx.)
- Buildings

* - Well decommissioned

GRAPHIC SCALE

0 30 60 90 Feet

Title: MONITORING WELL LOCATION MAP

Location: BRIDGE STREET FORMER MGP SITE
PLATTSBURGH, NEW YORK

Client: NYSEG NEW YORK STATE ELECTRIC AND GAS

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 3

p:\database\nyseg\bridge street\arcview\bridge st - gmp.apr/Fig. 2 - Well Locations

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

GORE™ 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\1198321B\041015R.DOC

GORE™ 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 **# Modules Installed:** 10
Field work performed by: URS Corporation

Retrieval date(s): 9/27/2004 **Exposure Time:** 14 [days]
 # Modules Retrieved: 10 **# Trip Blanks Returned:** 1

Date/Time Received by Gore: 09/29/04 1:00:00 PM **By:** MM
Chain of Custody Form attached: Yes
Chain of Custody discrepancies: None
Comments:
Module #457898 was identified as a trip blank.

GORE™ 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 5μg 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 50μg 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 10μg 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).

GORE™ 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 GORE™ 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.

GORE™ 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.

GORE™ 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	1,3,5-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
$CHCl_3$	chloroform
111TCA	1,1,1-trichloroethane
12DCA	1,2-dichloroethane
CCl_4	carbon tetrachloride
TCE	trichloroethene
OCT	octane
PCE	tetrachloroethene
ClBENZ	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 & Associates use only
Production Order # 11983218

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 ALL shaded cells

Customer Name: URS CORPORATION	Site Name: NYSEG PLATTSBURGH NY
Address: 28 CORPORATION DRIVE	Site Address: Bridge Street
CLIFTON PARK NY 12065	
U.S.A.	Project Manager: SCOTT HULSEAPPLE
Phone: (518) 688-0015	Customer Project No.: 12104252
FAX: (518) 688-0022	Customer P.O. #: 38394199 Quote #: 219252

Serial # of Modules Shipped				# of Modules for Installation: 10	# of Trip Blanks: 1
# 457893	- # 457903	#	- #	Total Modules Shipped: 11	Pieces
#	- #	#	- #	Total Modules Received: 11	Pieces
#	- #	#	- #	Total Modules Installed: 10	Pieces
#	- #	#	- #	Serial # of Trip Blanks (*Client Decides*)	#
#	- #	#	- #	# #	#
#	- #	#	- #	# #	#
#	- #	#	- #	# #	#
#	- #	#	- #	# #	#
#	- #	#	- #	# #	#
#	- #	#	- #	# #	#
Prepared By: Marlene Gellowsky				# #	#
Verified By: Mary Ellen Murphy				# #	#

Installation Performed By:	Installation Method(s) (*circle those that apply*):
Name (*please print*): Eric Lovendusky	(Slide Hammer) Hammer Drill Auger
Company/Affiliation: URS	Other:

Installation Start Date and Time:	9/13/04	10:00	(AM) PM
Installation Complete Date and Time:	9/13/04	(12:39) 1430	AM (PM)

Retrieval Performed By:	Total Modules Retrieved: 10 Pieces
Name (*please print*): Eric Lovendusky	Total Modules Lost in Field: 0 Pieces
Company/Affiliation: URS	Total Unused Modules Returned: 0 Pieces

Retrieval Start Date and Time:	9/27/04	11:30	(AM) PM
Retrieval Complete Date and Time:	9/27/04	12:39	AM (PM)

Relinquished By: Marlene Gellowsky	Date	Time	Received By: [illegible]	Date	Time
Affiliation: W.L. Gore & Associates, Inc.	9/27/04	8:30 AM	Affiliation: URS	9/10/04	1500
Relinquished By: [illegible]	Date	Time	Received By: [illegible]	Date	Time
Affiliation: URS	9/28/04	1100	Affiliation: [illegible]	[illegible]	[illegible]
Relinquished By: [illegible]	Date	Time	Received By: Mary Ellen Murphy	Date	Time
Affiliation: [illegible]	[illegible]	[illegible]	Affiliation: W.L. Gore & Associates, Inc.	9-27-04	13:00

GORE-SORBER® Screening Survey Installation and Retrieval Log

Page 1 of 1

SITE NAME & LOCATION: NYSEG - Bridge Street Former MGP Site, Plattsburgh, NY

LINE #	MODULE #	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	EVIDENCE OF LIQUID HYDROCARBONS (LPH) or HYDROCARBON ODOR (Check as appropriate)			MODULE IN WATER (check one)		COMMENTS
				LPH	ODOR	NONE	YES	NO	
1.	457893	9/13/04 1150	9/27/04 1130			x		x	PSV-04-06
2.	457894	9/13/04 1220	9/27/04 1138			x		x	PSV-04-05
3.	457895	9/13/04 1315	9/27/04 1145			x		x	PSV-04-10
4.	457896	9/13/04 1430	9/27/04 1153			x		x	PSV-04-09
5.	457897	9/13/04 1400	9/27/04 1200			x		x	PSV-04-01
6.	457898	TRIP BLANK							TRIP BLANK
7.	457899	9/13/04 1000	9/27/04 1208			x		x	PSV-04-02
8.	457900	9/13/04 1030	9/27/04 1213			x	X		PSV-04-04
9.	457901	9/13/04 1250	9/27/04 1220			x		x	PSV-04-03
10.	457902	9/13/04 1050	9/27/04 1236			x		x	PSV-04-08
11.	457903	9/13/04 1130	9/27/04 1239			x		x	PSV-04-07
12.									
13.									
14.									
15.									
16.									
17.									
18.									
19.									
20.									
21.									
22.									
23.									
24.									
25.									
26.									
27.									
28.									
29.									
30.									
31.									
32.									
33.									
34.									
35.									
36.									
37.									
38.									
39.									
40.									
41.									
42.									

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

DATE ANALYZED	SAMPLE NAME	BTEX, ug	BENZ, ug	TOL, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	C11, C13, &C15, ug	UNDEC, ug	TRIDEC, ug
	MDL=		0.03	0.02	0.02	0.02	0.02		0.02	0.02
09/30/04	457893	nd	nd	nd	nd	nd	nd	nd	nd	nd
09/30/04	457894	nd	nd	nd	nd	nd	nd	nd	nd	nd
09/30/04	457895	0.03	0.03	nd	nd	nd	nd	nd	nd	nd
09/30/04	457896	nd	nd	nd	nd	nd	nd	nd	nd	nd
09/30/04	457897	nd	nd	nd	nd	nd	nd	nd	nd	nd
09/30/04	457899	0.08	0.06	nd	bdl	0.02	nd	nd	nd	nd
09/30/04	457900	0.11	0.07	0.04	nd	bdl	nd	nd	nd	nd
09/30/04	457901	0.08	0.08	nd	bdl	nd	nd	nd	nd	nd
09/30/04	457902	0.05	0.05	nd	nd	nd	nd	nd	nd	nd
09/30/04	457903	nd	nd	nd	nd	nd	nd	nd	nd	nd
09/30/04	457898	0.07	nd	0.05	nd	0.03	nd	nd	nd	nd
09/30/04	method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd
	Maximum	0.11	0.08	0.04	0.01	0.02	0.00	0.00	0.00	0.00
	Standard Dev.	0.04	0.03	0.01	0.00	0.01	0.00	0.00	0.00	0.00
	Mean	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

SAMPLE NAME	PENTADEC, ug	TMBs, ug	124TMB, ug	135TMB, ug	ct12DCE, ug	t12DCE, ug	c12DCE, ug	Combined PAHs, ug	NAPH&2-MN, ug
MDL=	0.02		0.02	0.02		0.02	0.03		
457893	nd	nd	nd	nd	nd	nd	nd	nd	nd
457894	nd	nd	nd	nd	nd	nd	nd	nd	nd
457895	nd	nd	nd	nd	nd	nd	nd	nd	nd
457896	nd	nd	nd	nd	nd	nd	nd	nd	nd
457897	nd	nd	nd	nd	nd	nd	nd	nd	nd
457899	nd	0.00	bdl	nd	nd	nd	nd	nd	nd
457900	nd	nd	nd	nd	nd	nd	nd	nd	nd
457901	nd	nd	nd	nd	nd	nd	nd	nd	nd
457902	nd	nd	nd	nd	nd	nd	nd	nd	nd
457903	nd	nd	nd	nd	nd	nd	nd	nd	nd
457898	nd	nd	nd	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd
Maximum	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Standard Dev.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

SAMPLE NAME	NAPH, ug	2MeNAPH, ug	MTBE, ug	11DCA, ug	111TCA, ug	12DCA, ug	TCE, ug	OCT, ug	PCE, ug	14DCB, ug
MDL=	0.03	0.02	0.03	0.02	0.04	0.02	0.02	0.02	0.03	0.02
457893	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457894	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457895	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457896	nd	nd	nd	nd	nd	nd	nd	nd	19.56	nd
457897	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457899	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457900	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457901	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457902	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457903	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
457898	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.56	0.00
Standard Dev.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.19	0.00
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96	0.00

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

SAMPLE NAME	Acenaphthene, ug	Acenaphthylene, ug	Fluorene, ug	PHEN, ug	Anthracene, ug	Fluoranthene, ug	Pyrene, ug	CHCl3, ug	CCl4, ug
MDL=	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
457893	nd	nd	nd	nd	nd	nd	nd	nd	nd
457894	nd	nd	nd	nd	nd	nd	nd	nd	nd
457895	nd	nd	nd	nd	nd	nd	nd	nd	nd
457896	nd	nd	nd	nd	nd	nd	nd	nd	nd
457897	nd	nd	nd	nd	nd	nd	nd	nd	nd
457899	nd	nd	nd	nd	nd	nd	nd	nd	nd
457900	nd	nd	nd	nd	nd	nd	nd	nd	nd
457901	nd	nd	nd	nd	nd	nd	nd	nd	nd
457902	nd	nd	nd	nd	nd	nd	nd	nd	nd
457903	nd	nd	nd	nd	nd	nd	nd	nd	nd
457898	nd	nd	nd	nd	nd	nd	nd	nd	nd
method blank	nd	nd	nd	nd	nd	nd	nd	nd	nd
Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Standard Dev.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

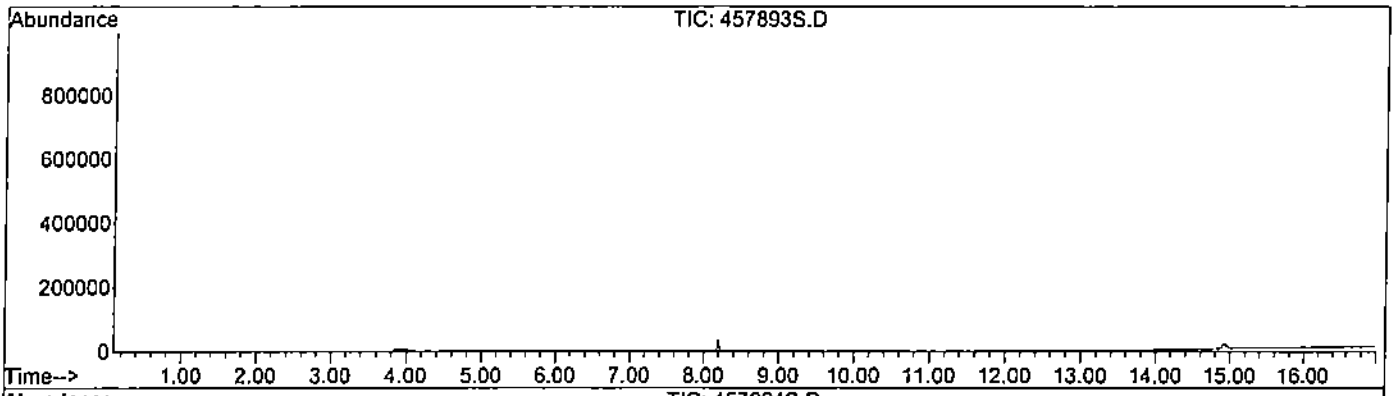
No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

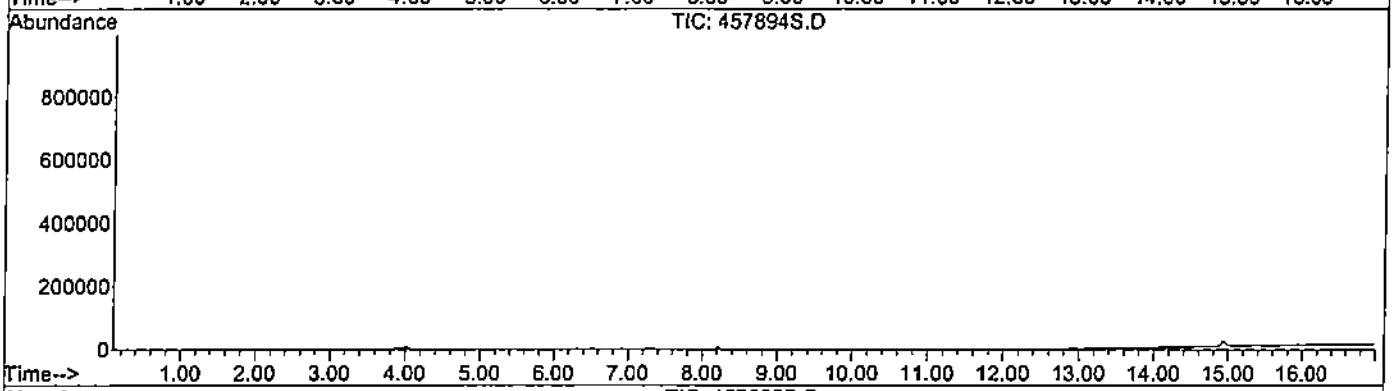
GORE(TM) SURVEYS FOR SITE ASSESSMENT AND MONITORING ANALYTICAL RESULTS
URS CORPORATION, CLIFTON PARK, NY
CUSTOM TARGET COMPOUNDS (A7)
NYSEG - BRIDGE STREET FORMER MGP SITE, PLATTSBURGH, NY
SITE CUL - PRODUCTION ORDER #11983218

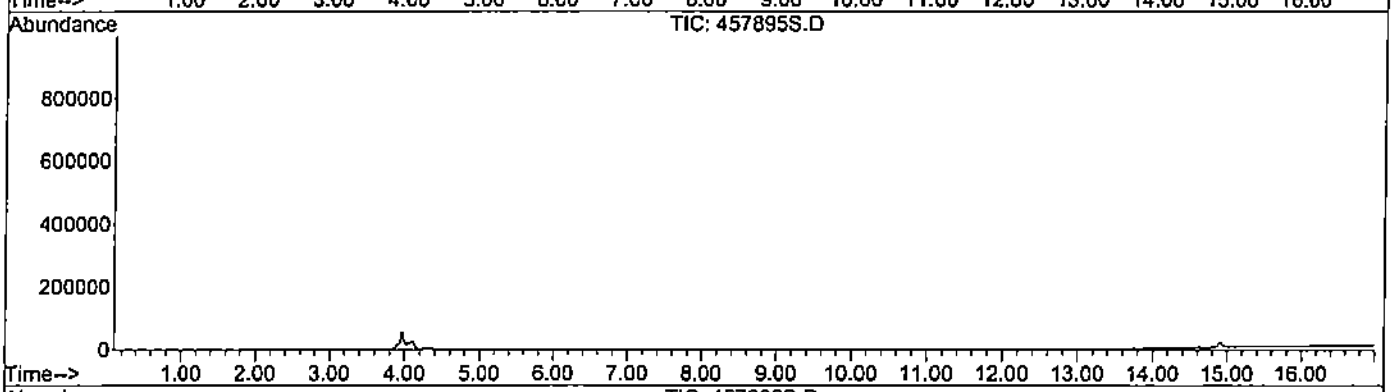
SAMPLE NAME	CIBENZ, ug	Styrene (TIC), ug	Indane (TIC), ug	Indene (TIC), ug
MDL=	0.02	0.02	0.02	0.02
457893	nd	nd	nd	nd
457894	nd	nd	nd	nd
457895	nd	nd	nd	nd
457896	nd	nd	nd	nd
457897	nd	nd	nd	nd
457899	nd	bdl	nd	nd
457900	nd	nd	nd	nd
457901	nd	nd	nd	nd
457902	nd	nd	nd	nd
457903	nd	nd	nd	nd
457898	nd	nd	nd	nd
method blank	nd	nd	nd	nd
Maximum	0.00	0.00	0.00	0.00
Standard Dev.	0.00	0.00	0.00	0.00
Mean	0.00	0.00	0.00	0.00

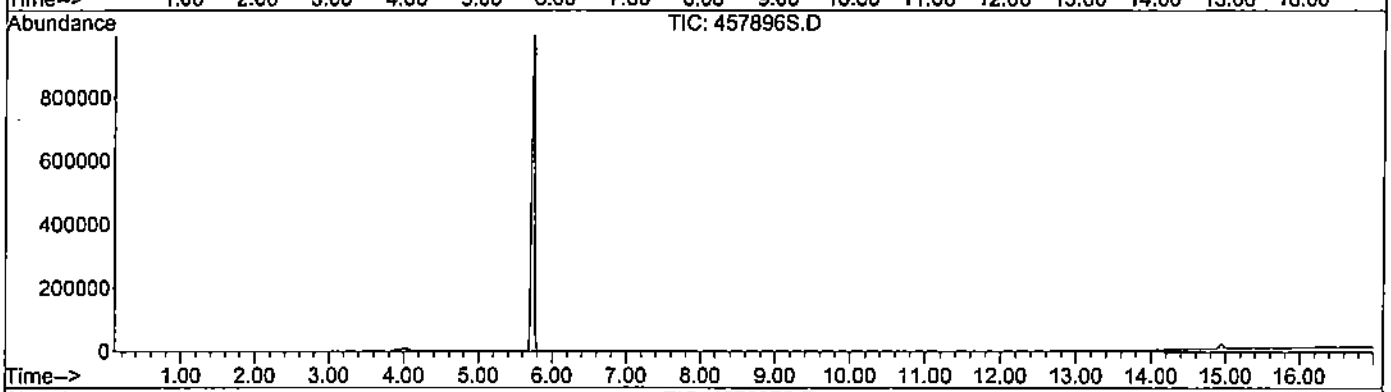
No mdl is available for summed combinations of analytes. In summed columns (eg., BTEX), the reported values should be considered ESTIMATED if any of the individual compounds were reported as bdl.

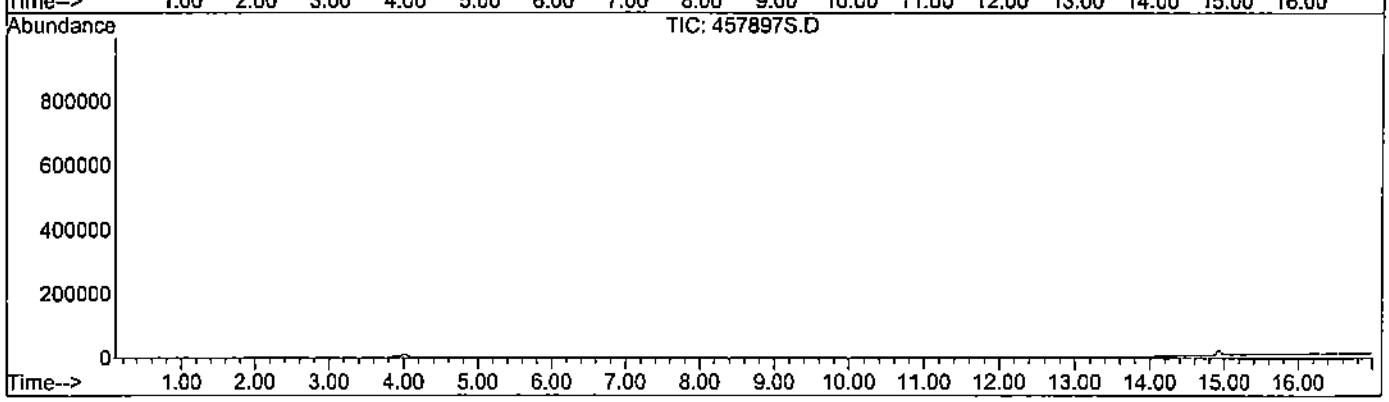
TIC - SITE CUL - PRODUCTION ORDER #11983218
In Numerical Order



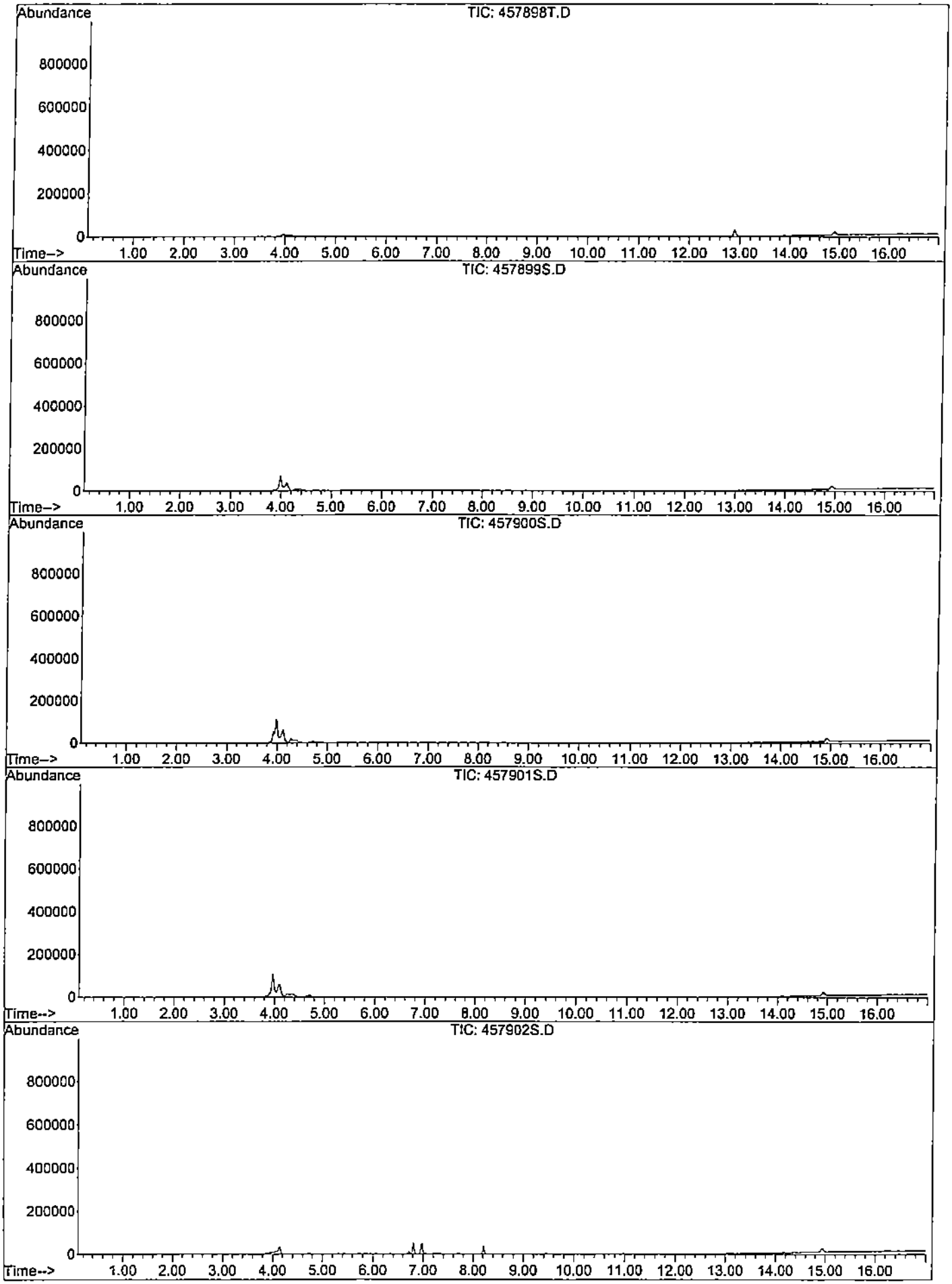




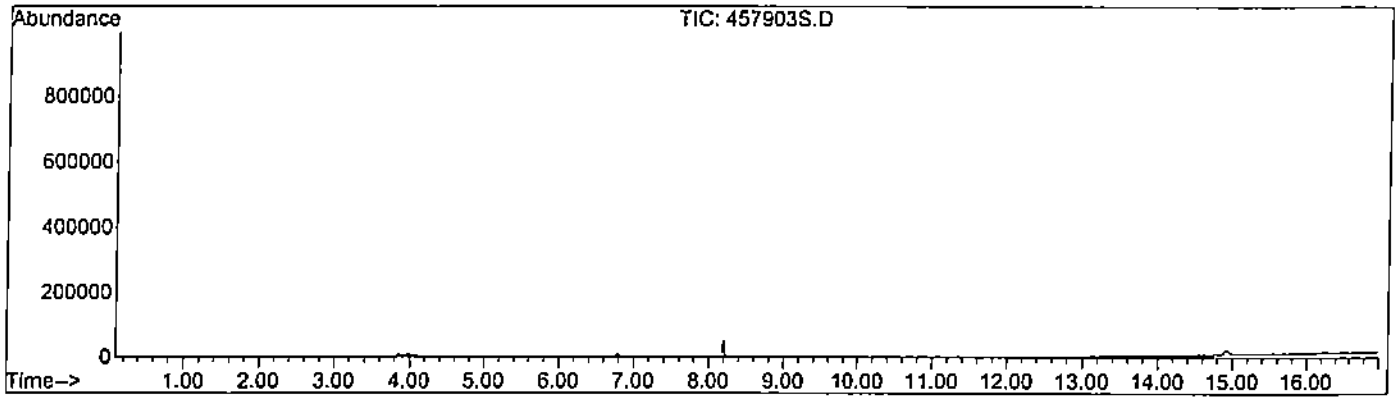




TIC - SITE CUL - PRODUCTION ORDER #11983218
In Numerical Order



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



APPENDIX B
GROUNDWATER SAMPLE FIELD DATA SHEETS

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-1B

Field Personnel: EL

Date: 9/15/04
Job No.:
Location: Bridge Street

Total Well Depth (from top of casing): 40.25 feet

Depth to Water Surface Before Purging (from top of casing): - 5.55 feet

Height of Water Column: = 34.7 feet

Well Diameter (d): _____ inches Gals per ft: (d^2 x 0.0408) = x 0.653

Volume of Water Column Before Purging: = 22.8 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) _____ gallons

Purging Method: (Bailer)/Waterra Pump/Submersible Pump/Peristaltic Pump

	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)
	1125	1.0	1026	11.65	11.32	565	—	—
	1135	10.0	1054	11.22	11.16	255	—	—
	1156	20.0	1162	11.09	11.29	160	—	—
		-well dry	@ 27.0 gal				—	—
							—	—
							—	—
1							—	—
2							—	—

Total Volume of Water Purged: _____ gallons

Sampling Data:

- Sampling Method: (Bailer) or Pump
- Depth of Pump intake or (bailer): ~35 feet
- Sample Date/Time: 9/16/04 1100
- Color: Cloudy brown
- Odor: ND
- Sheen/Appearance: ND/Cloudy

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

BTEX
PAH
Phenol
Cyanide

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-2B

Field Personnel: EL

Date: 9/15/09
Job No.:
Location: Bridge St.

Total Well Depth (from top of casing): 36.75 feet

Depth to Water Surface Before Purging (from top of casing): - 4.82 feet

Height of Water Column: = 31.93 feet

Well Diameter (d): 4/6 inches Gals per ft: (d^2 x 0.0408) = x 0.653

Volume of Water Column Before Purging: = 21.0 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) _____ gallons

Purging Method: (Bailer) Waterra Pump/Submersible Pump/Peristaltic Pump

	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)
	~~0900~~	NO	PARAMETERS	COLLECTED	B/C	NAPL	blebs in	purge H2O.
1								
2								

Total Volume of Water Purged: ~ 28 gallons

Sampling Data:

- Sampling Method: (Bailer) or Pump
- Depth of Pump intake or (bailer): ~32 feet
- Sample Date/Time: 9/16/09 1210
- Color: Slightly cloudy w/ NAPL blebs + sheen
- Odor: Strong MGP odor
- Sheen/Appearance: Y/ Cloudy w/ NAPL blebs

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

- BTEX
- PAH
- Phenols
- Cyanide

(- DUP HERE)

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-3B

Field Personnel: EL

Date: 9/15/04
Job No.:
Location: Bridge St.

Total Well Depth (from top of casing): 60.81 feet

Depth to Water Surface Before Purging (from top of casing): - 8.32 feet

Height of Water Column: = 52.49 feet

Well Diameter (d): 4 inches Gals per ft: (d^2 x 0.0408) = x .653

Volume of Water Column Before Purging: = 34.3 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) ______ gallons

Purging Method: (Bailer circled) Bailer/Waterra Pump/Submersible Pump/Peristaltic Pump

	Time	Well Volumes (Gallons)	Specific Conduct. (mmhos/cm or μmhos)	Temp. (°F or °C) (°C circled)	pH (SU)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Redox Potential (mV)
	0930	0.5	1525	10.8	8.25	125	———	———
	0950	10.0	2138	11.8	8.11	110		
	1000	15.0	1931	12.2	7.95	105		
	1010	20.0	1409	12.7	7.63	96		
	1017	25.0	1510	12.4	7.55	85		
	1032	30.0	1460	12.6	7.25	76		
1	——	ORP @ 324.1						
2								

Total Volume of Water Purged: 33 gallons

Sampling Data:

- Sampling Method: (Bailer circled) Bailer or Pump
- Depth of Pump/tube or bailer: ~55 feet
- Sample Date/Time: 9/16/04
- Color: 0940
- Odor: ND - Sulfur
- Sheen/Appearance: ND/ Clear

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

Sampled for BTEX
PAH
Phenols
Cyanide

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-6B

Field Personnel: EL

Date: 9/16/04
Job No.:
Location: Bridge St.

Total Well Depth (from top of casing): 39.0 feet

Depth to Water Surface Before Purging (from top of casing): - 4.75 feet

Height of Water Column: = 34.25 feet

Well Diameter (d): 4/6 inches Gals per ft: (d^2 x 0.0408) = x 0.653

Volume of Water Column Before Purging: = 22.37 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) _____ gallons

Purging Method: (Bailer)/Waterra Pump/Submersible Pump/Peristaltic Pump

	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)
	1230	1.0	4316	12.64	12.19	175		
	1250	10.0	4398	17.68	12.53	128		
	1305	20.0	4409	13.01	12.46	95		
		dry @ ~28 gal						
1								
2								

Total Volume of Water Purged: ~28 gallons

Sampling Data:

- Sampling Method: (Bailer) or Pump
- Depth of Pump intake or bailer: ~35 feet
- Sample Date/Time: 9/16/04 1140
- Color: Sl. cloudy brown
- Odor: ND
- Sheen/Appearance: ND/Sl. cloudy

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

BTEX
PAH
PHENOLS
Cyanide

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-7BD

Field Personnel: EL

Date: 9/15/04
Job No.:
Location: BRIDGE ST.

Total Well Depth (from top of casing): 49.24 feet

Depth to Water Surface Before Purging (from top of casing): - 6.25 feet

Height of Water Column: = 42.99 feet

Well Diameter (d): 4 inches Gals per ft: (d^2 x 0.0408) = 0.653 x 0.163

Volume of Water Column Before Purging: = 28.0 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) _____ gallons

Purging Method: (Bailer)/Waterra Pump/Submersible Pump/Peristaltic Pump

	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)
	WELL PURGED	W/ DISPOSABLE	BAILER.	NO	PARAMETERS	COLLECTED		
	b/c	of NAPL	in purge water.	Appox	2 Gallons	purged		
1								
2								

Total Volume of Water Purged: _____ gallons

Sampling Data:

- Sampling Method: (Bailer) or Pump
- Depth of Pump intake or bailer: ~47 feet
- Sample Date/Time: 9/16/04 1250
- Color: Cloudy grey - trace NAPL
- Odor: strong MGP
- Sheen/Appearance: Y/ Cloudy w/ NAPL blebs

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

BTEX
PAH
Phenols
Cyanide

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-78s

Field Personnel: EL

Date: 9/16/04
Job No.:
Location: Bridge St.

Total Well Depth (from top of casing): 14.4 feet

Depth to Water Surface Before Purging (from top of casing): 2.35 feet

Height of Water Column: = 12.05 feet

Well Diameter (d): 4/6 inches Gals per ft: (d^2 x 0.0408) = x 0.653

Volume of Water Column Before Purging: = 7.87 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) _____ gallons

Purging Method: (Bailer)/Waterra Pump/Submersible Pump/Peristaltic Pump

	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)
	1320	1.0	1015	13.96	11.82	157		
	1335	10.0	1010	13.83	11.70	96		
	1345	20.0	1035	13.87	11.78	74		
1								
2								

Total Volume of Water Purged: ~20 gallons

Sampling Data:

- Sampling Method: (Bailer) or Pump
- Depth of Pump intake or (bailer): ~12 feet
- Sample Date/Time: 9/16/04 1350
- Color: slightly tan
- Odor: Sl. MGP
- Sheen/Appearance: ND/ cloudy

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

BTEX
PAH
Anions
Geniod

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-9B

Field Personnel: EL

Date: 9/15/04
Job No.:
Location: Bridge St.

Total Well Depth (from top of casing): 35.05 feet

Depth to Water Surface Before Purging (from top of casing): - 14.12 feet

Height of Water Column: = 20.93 feet

Well Diameter (d): 4 inches Gals per ft: (d^2 x 0.0408) = x 0.653

Volume of Water Column Before Purging: = 13.67 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) _____ gallons

Purging Method: (Bailer)/Waterra Pump/Submersible Pump/Peristaltic Pump

	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)
	0840	0.5	2135	12.59	11.25	>1000		
	0900	7.0	2227	12.96	11.55	750		
	0915	12.0	2195	12.90	11.52	975		
	- well	DRY @ 13 gal						
1								
2								

Total Volume of Water Purged: _____ gallons

Sampling Data:

- Sampling Method: (Bailer) or Pump
- Depth of Pump intake or bailer: ~33 feet
- Sample Date/Time: 9/16/04 0900
- Color: Cloudy grey
- Odor: ND
- Sheen/Appearance: ND / cloudy

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

- BTEX
- PAH
- Phenol
- Cyanide

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-103

Field Personnel: EL

Date: 7/15/04
Job No.: Bridge St
Location: Plattsburgh, NY

Total Well Depth (from top of casing): 61.60 ~~67.9~~ feet

Depth to Water Surface Before Purging (from top of casing): - 6.79 feet

Height of Water Column: = 54.81 feet

Well Diameter (d): 4 inches Gals per ft: (d^2 x 0.0408) = x 0.653

Volume of Water Column Before Purging: = 35.8 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) _____ gallons

Purging Method: (Bailer)/Waterra Pump/Submersible Pump/Peristaltic Pump

	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	15	440	10.96	6.99	550	—	
	1440	32	407	10.52	7.05	455	—	
							—	
1								
2								

Total Volume of Water Purged: 35 gallons

Sampling Data:

- Sampling Method: (Bailer) or Pump
- Depth of Pump intake or (bailer): 56' feet
- Sample Date/Time: 7/16/04 1035
- Color: Cloudy Grey
- Odor: SULFUR
- Sheen/Appearance: NO/Cloudy

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

BTEX
PAH
Phen-1
Cyanide

GROUNDWATER SAMPLING DATA SHEET

WELL NO: MW-11R

Field Personnel: EL

Date: 9/15/09
Job No.:
Location: Bridge St

Total Well Depth (from top of casing): 39.10 feet

Depth to Water Surface Before Purging (from top of casing): - 2.39 feet

Height of Water Column: of in hole = 35.71 feet

Well Diameter (d): 4/6 - casing inches Gals per ft: (d^2 x 0.0408) = x (.653) per hole

Volume of Water Column Before Purging: = 23.3 gallons

Volume of Water Equal to three Well Volumes: (Volume of Column by 3.0) _____ gallons

Purging Method: (Bailer)/Waterra Pump/Submersible Pump/Peristaltic Pump

	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)
	1044	1.0	4752	11.25	12.71	7/000		
	1054	10.0	3259	12.14	12.05	795		
	1105	15.0	3176	12.19	11.95	650		
	1115	20.0	2984	12.21	11.73	7/000		
	DRY @ 25 Gal							
1								
2								

Total Volume of Water Purged: 25.5 gallons

Sampling Data:

- Sampling Method: (Bailer) or Pump
- Depth of Pump intake or bailer: ~36 feet
- Sample Date/Time: 9/16/09 1010
- Color: cloudy brown
- Odor: ND
- Sheen/Appearance: ND/ cloudy

Notes:
1 - Field parameters obtained before sampling
2 - Field papameters obtained after sampling

BTEX
PAH
Phenols
Cyanide

APPENDIX C
GROUNDWATER SAMPLES LABORATORY ANALYTICAL REPORT

analytical services center
International Specialists in Environmental Analysis
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.

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
a division of ecology 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, 1C & 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.1A, 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
Phone: (716) 685-8080

Laboratory Results

NYS ELAP ID#: 10486

CLIENT: URS Corporation
Project: Energy East Plattsburgh
Lab Order: 0409182
Date Received: 9/17/2004

Work Order Sample Summary

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
0409182-04D	BSGDD0210		9/16/2004 10:35:00 AM
0409182-05A	BSGUD0101		9/16/2004 11:00:00 AM
0409182-05B	BSGUD0101		9/16/2004 11:00:00 AM
0409182-05C	BSGUD0101		9/16/2004 11:00:00 AM
0409182-05D	BSGUD0101		9/16/2004 11:00:00 AM
0409182-06A	BSGDD0106		9/16/2004 11:40:00 AM
0409182-06B	BSGDD0106		9/16/2004 11:40:00 AM
0409182-06C	BSGDD0106		9/16/2004 11:40:00 AM
0409182-06D	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
0409182-07D	BSGDD0102		9/16/2004 12:10:00 PM
0409182-08A	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
0409182-08D	BSGDD0107		9/16/2004 12:50:00 PM

CLIENT:	URS Corporation
Project:	Energy East Plattsburgh
Lab Order:	0409182
Date Received:	9/17/2004

Work Order Sample Summary

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
0409182-11A	TRIP BLANK		9/16/2004 7:00:00 AM

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-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.

QC
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	**CASE NARRATIVE**
Lab Order:	0409182	

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.

QC
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.

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 39393891.00000

SITE NAME NYSEG Bridge Street

SAMPLERS (PRINT/SIGNATURE) Eric Lavendusk: / [signature]

DELIVERY SERVICE: FED EX AIRBILL NO.: 847099295788

LAB E+E

COOLER 1, 2 + 3 of 3

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: BTEX 8021	TESTS: PAH 8270C	TESTS: Total phenol 9065/420.2	TESTS: Total cyanide 335.3	BOTTLE TYPE AND PRESERVATIVE: 40ml glass vial w/ HCl	BOTTLE TYPE AND PRESERVATIVE: 1 liter amber glass; unpres	BOTTLE TYPE AND PRESERVATIVE: 250ml glass amber; H_2SO_4	BOTTLE TYPE AND PRESERVATIVE: 1 liter poly w/ NaOH	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
MW-9B	9/16/04	0900	GRAB	BSGDD0109	WG	6	3	1		1	1								
MW-3B	9/16/04	0940	GRAB	BSGDD0203	WG	7	3	2	1	1									
MW-11B	9/16/04	1010	GRAB	BSGDD0111	WG	7	3	2	1	1									
MW-10B	9/16/04	1035	GRAB	BSGDD0210	WG	7	3	2	1	1									
MW-01B	9/16/04	1100	GRAB	BSGDD0101	WG	6	3	1	1	1									
MW-06B	9/16/04	1140	GRAB	BSGDD0106	WG	7	3	2	1	1									
MW-02B	9/16/04	1210	GRAB	BSGPD0102	WG	7	3	2	1	1	X	X	X	X	X	FREE PRODUCT IN SAMPLE!!				
MW-7BD	9/16/04	1250	GRAB	BSGDD0107	WG	6	3	1	1	1	X	X	FREE PRODUCT IN SAMPLE							
MW-7BS	9/16/04	1350	GRAB	BSGDIM0107	WG	7	3	2	1	1	X	X								
	9/16/04	—	GRAB	DUP 09/16/04	WG	7	3	2	1	1	X	X								
TRIP BLANK	9/16/04	—		TRIP BLANK	TB	2	2													

MATRIX CODES

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

SAMPLE TYPE CODES

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

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

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	9/16/04	1500			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
[signature]			[signature]	9-17-04	0845

SPECIAL INSTRUCTIONS

Send Results to Scott Hulsepple

518-688-0015

688-0022 (fax)

Distribution: Original accompanies shipment, copy to coordinator field files

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

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	*Circle One*		
1. Did coolers come with airbill or packing slip?	(Yes)	No	NA
Circle carrier here and print airbill number below: (Fed Ex) Airborne Client Other _____			
Shipped as high hazard or dangerous goods?	Yes	(No)	NA
2. Did cooler(s) have custody seals?	Yes	(No)	NA
3. Were custody seals unbroken and intact on receipt?	Yes	(No)	NA
4. Were custody seals dated and signed?	Yes	(No)	NA
5. How was package secured? ☐ Not secured ☑ Fiberglass Tape ☐ _____			

B. Unpacking Phase

6. Date cooler(s) opened: 9-17-04 Cooler(s) opened by: Scott Clem (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)*

Airbill No.	Temp. °C	Airbill No.	Temp. °C	Airbill No.	Temp. °C
8470 9929 5788 (1)	3.0				
(2)	5.5				
(3)	3.0				

Thermometer No.: 230 Correction Factor: 0.0 *If temperature is outside of acceptable range, prepare a PM Notification form indicating affected containers.

8. Were the C-O-C forms received?	(Yes)	No	NA
C-O-C forms numbers if present:			
9. Was enough packing material used in cooler(s)?	(Yes)	No	NA
Type of material: ☐ Vermiculite ☑ Bubble Wrap ☐ Other _____			
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?	(Yes)	No	NA

13. Interim storage area if not logged: _____

In: Date _____ Time _____ Signature _____

Out: Date _____ Time _____ Signature _____

C. Login Phase

Samples Logged in By Signature: [signature] Date: 9/17/04

14. Were all container labels complete (e.g. date, time preserved)?	(Yes)	No	NA
15. Were all C-O-C forms filled out properly in black ink and signed?	(Yes)	No	NA
16. Did the C-O-C form agree with containers received?	(Yes)	No	NA
17. Were the correct containers used for the tests requested?	(Yes)	No	NA
18. Were the correct preservatives listed on the sample labels?	(Yes)	No	NA
19. Was a sufficient sample volume sent for the tests requested?	(Yes)	No	NA
20. Were all volatile samples received without headspace?	(Yes)	No	NA

*Prepare a PM Notification form (F-051).

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

Lab Order: 0409182
Client: URS Corporation
Project: Energy East Plattsburgh

DATES SUMMARY REPORT

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-07A	BSGDD0102	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 12:10:00 PM	9/17/2004 9:00:00 AM	14:C 9/30/2004 12:10:00 PM	9/21/2004 8:44:22 PM 1028822	SAMP	50	4	☐
0409182-07B			BNA Liq/Liq Ext of Waters by M 3520C			7:C 9/23/2004 12:10:00 PM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/27/2004 5:40:00 PM 1032023	SAMP	5	16	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/28/2004 4:05:00 PM 1033505	SAMP	20	1	☐
0409182-07C			Phenols Water Prep. (Direct) by Method 9065M			28:C10/14/2004 12:10:00 PM	10/2/2004 10:04:50 AM 200403878	NA	NA	NA	☐
			Phenols (Direct) in Water by Method 9065M (4AAP)			28:C10/14/2004 12:10:00 PM	10/4/2004 10:01:16 AM 1035536	SAMP	1	1	☐
0409182-07D			Cyanide, Total by Method 335.3			14:C 9/30/2004 12:10:00 PM	10/1/2004 5:06:21 PM 1034826	SAMP	1	1	☑
			Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 12:10:00 PM	9/27/2004 8:42:03 AM 200403798	NA	NA	NA	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-06A	BSGDD0106	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 11:40:00 AM	9/17/2004 9:00:00 AM	14:C 9/30/2004 11:40:00 AM	9/21/2004 4:44:08 PM 1028820	SAMP	1	4	☐
0409182-06B			BNA Liq/Liq Ext of Waters by M 3520C			7:C 9/23/2004 11:40:00 AM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/27/2004 4:39:00 PM 1032021	SAMP	1	17	☐
0409182-06C			Phenols Water Prep. (Direct) by Method 9065M			28:C10/14/2004 11:40:00 AM	10/2/2004 10:04:50 AM 200403878	NA	NA	NA	☐
			Phenols (Direct) in Water by Method 9065M (4AAP)			28:C10/14/2004 11:40:00 AM	10/4/2004 10:00:15 AM 1035535	SAMP	1	1	☐
0409182-06D			Cyanide, Total by Method 335.3			14:C 9/30/2004 11:40:00 AM	10/1/2004 5:03:27 PM 1034825	SAMP	1	1	☑
			Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 11:40:00 AM	9/27/2004 8:42:03 AM 200403798	NA	NA	NA	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-08A	BSGDD0107	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 12:50:00 PM	9/17/2004 9:00:00 AM	14:C 9/30/2004 12:50:00 PM	9/21/2004 11:56:06 AM 1028816	SAMP	20	4	☐

HT 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.*
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 exisits for the extraction (tumble) test.

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

Lab Order: 0409182
Client: URS Corporation
Project: Energy East Plattsburgh

DATES SUMMARY REPORT

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-08B	BSGDD0107	Water	BNA Liq/Liq Ext of Waters by M 3520C	9/16/2004 12:50:00 PM	9/17/2004 9:00:00 AM	7:C 9/23/2004 12:50:00 PM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/28/2004 4:36:00 PM 1033506	SAMP	40	3	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/27/2004 6:40:00 PM 1032026	SAMP	1	14	☐
0409182-08C			Phenols Water Prep. (Direct) by Method 9065M			28:C10/14/2004 12:50:00 PM	10/2/2004 10:04:50 AM 200403878	NA	NA	NA	☐
			Phenols (Direct) in Water by Method 9065M (4AAP)			28:C10/14/2004 12:50:00 PM	10/4/2004 10:02:16 AM 1035537	SAMP	1	1	☐
0409182-08D			Cyanide, Total by Method 335.3			14:C 9/30/2004 12:50:00 PM	10/1/2004 5:07:19 PM 1034827	SAMP	1	1	☑
			Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 12:50:00 PM	9/27/2004 8:42:03 AM 200403798	NA	NA	NA	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-01A	BSGDD0109	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 9:00:00 AM	9/17/2004 9:00:00 AM	14:C 9/30/2004 9:00:00 AM	9/21/2004 11:09:04 PM 1028825	SAMP	1	4	☐
0409182-01B			BNA Liq/Liq Ext of Waters by M 3520C			7:C 9/23/2004 9:00:00 AM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/25/2004 6:47:00 PM 1031108	SAMP	1	17	☐
0409182-01C			Phenols Water Prep. (Direct) by Method 9065M			28:C 10/14/2004 9:00:00 AM	10/2/2004 10:04:50 AM 200403878	NA	NA	NA	☐
			Phenols (Direct) in Water by Method 9065M (4AAP)			28:C 10/14/2004 9:00:00 AM	10/4/2004 9:55:08 AM 1035530	SAMP	1	1	☐
0409182-01D			Cyanide, Total by Method 335.3			14:C 9/30/2004 9:00:00 AM	10/1/2004 4:56:47 PM 1034820	SAMP	1	1	☑
			Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 9:00:00 AM	9/27/2004 8:42:03 AM 200403798	NA	NA	NA	☐

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-03A	BSGDD0111	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 10:10:00 AM	9/17/2004 9:00:00 AM	14:C 9/30/2004 10:10:00 AM	9/21/2004 3:08:05 PM 1028818	SAMP	1	4	☐
0409182-03B			BNA Liq/Liq Ext of Waters by M 3520C			7:C 9/23/2004 10:10:00 AM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐

HT 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.*
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 exisits for the extraction (tumble) test.

LIMS Version #: 040929_1500

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

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

Lab Order: 0409182
Client: URS Corporation
Project: Energy East Plattsburgh

DATES SUMMARY REPORT

LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-03B BSGDD0111	Water	Semivolatile Organics by Method 8270C	9/16/2004 10:10:00 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	17	☐
0409182-03C		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	NA	☐
		Phenols (Direct) In Water by Method 9065M (4AAP)			28:C10/14/2004 10:10:00 AM	10/4/2004 9:57:11 AM 1035532	SAMP	1	1	☐
0409182-03D		Cyanide, Total by Method 335.3			14:C 9/30/2004 10:10:00 AM	10/1/2004 5:00:35 PM 1034822	SAMP	1	1	☑
		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 200403798	NA	NA	NA	☐

LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-02A BSGDD0203	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 9:40:00 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	☐
0409182-02B		BNA Liq/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	NA	☐
		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	☐
0409182-02C		Phenols Water Prep. (Direct) by Method 9065M			28:C 10/14/2004 9:40:00 AM	10/2/2004 10:04:50 AM 200403878	NA	NA	NA	☐
		Phenols (Direct) In Water by Method 9065M (4AAP)			28:C 10/14/2004 9:40:00 AM	10/4/2004 9:56:10 AM 1035531	SAMP	1	1	☐
0409182-02D		Cyanide, Total by Method 335.3			14:C 9/30/2004 9:40:00 AM	10/1/2004 4:59:38 PM 1034821	SAMP	1	1	☑
		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	NA	NA	NA	☐

LAB) Sample ID (CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-04A BSGDD0210	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 10:35:00 AM	9/17/2004 9:00:00 AM	14:C 9/30/2004 10:35:00 AM	9/21/2004 1:32:04 PM 1028817	SAMP	1	4	☐
0409182-04B		BNA Liq/Liq Ext of Waters by M 3520C			7:C 9/23/2004 10:35:00 AM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐
		Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/25/2004 8:17:00 PM 1031111	SAMP	1	17	☐
0409182-04C		Phenols Water Prep. (Direct) by Method 9065M			28:C10/14/2004 10:35:00 AM	10/2/2004 10:04:50 AM 200403878	NA	NA	NA	☐

HT 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.*
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 exisits for the extraction (tumble) test.

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

Lab Order: 0409182
Client: URS Corporation
Project: Energy East Plattsburgh

DATES SUMMARY REPORT

LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-04C	BSGDD0210	Water	Phenols (Direct) In Water by Method 9065M (4AAP)	9/16/2004 10:35:00 AM	9/17/2004 9:00:00 AM	28:C10/14/2004 10:35:00 AM	10/4/2004 9:59:12 AM 1035533	SAMP	1	1	☐
0409182-04D			Cyanide, Total by Method 335.3			14:C 9/30/2004 10:35:00 AM	10/1/2004 5:01:32 PM 1034823	SAMP	1	1	☑
			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 200403798	NA	NA	NA	☐
0409182-09A	BSGDIM0107	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 1:50:00 PM	9/17/2004 9:00:00 AM	14:C 9/30/2004 1:50:00 PM	9/21/2004 10:20:50 PM 1028824	SAMP	1	4	☐
0409182-09B			BNA Liq/Liq Ext of Waters by M 3520C			7:C 9/23/2004 1:50:00 PM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/27/2004 5:09:00 PM 1032022	SAMP	1	16	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/28/2004 5:36:00 PM 1033499	SAMP	4	1	☐
0409182-09C			Phenols Water Prep. (Direct) by Method 9065M			28:C 10/14/2004 1:50:00 PM	10/2/2004 10:04:50 AM 200403878	NA	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 1035538	SAMP	1	1	☐
0409182-09D			Cyanide, Total by Method 335.3			14:C 9/30/2004 1:50:00 PM	10/1/2004 5:08:18 PM 1034828	SAMP	1	1	☑
			Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 1:50:00 PM	9/27/2004 8:42:03 AM 200403798	NA	NA	NA	☐
0409182-05A	BSGUD0101	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 11:00:00 AM	9/17/2004 9:00:00 AM	14:C 9/30/2004 11:00:00 AM	9/21/2004 3:56:06 PM 1028819	SAMP	1	4	☐
0409182-05B			BNA Liq/Liq Ext of Waters by M 3520C			7:C 9/23/2004 11:00:00 AM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/27/2004 4:09:00 PM 1032020	SAMP	1	17	☐
0409182-05C			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	NA	☐
			Phenols (Direct) In Water by Method 9065M (4AAP)			28:C10/14/2004 11:00:00 AM	10/4/2004 9:59:14 AM 1035534	SAMP	1	1	☐

IT 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.
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 exisits for the extraction (tumble) test.

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

Lab Order: 0409182
Client: URS Corporation
Project: Energy East Plattsburgh

DATES SUMMARY REPORT

(LAB) Sample ID	(CLIENT)	Matrix	Test Name	Collection Date	Received Date	HT (Days) / HT Expire	Analyzed* - Analysis/BatchID	Type	DF	#Analytes	Flag
0409182-05D	BSGUD0101	Water	Cyanide, Total by Method 335.3	9/16/2004 11:00:00 AM	9/17/2004 9:00:00 AM	14:C 9/30/2004 11:00:00 AM	10/1/2004 5:02:29 PM 1034824	SAMP	1	1	☑
			Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 11:00:00 AM	9/27/2004 8:42:03 AM 200403798	NA	NA	NA	☐
0409182-10A	DUP09/16/04	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 7:00:00 AM	9/17/2004 9:00:00 AM	14:C 9/30/2004 7:00:00 AM	9/21/2004 9:32:35 PM 1028823	SAMP	50	4	☐
0409182-10B			BNA Liq/Liq Ext of Waters by M 3520C			7:C 9/23/2004 7:00:00 AM	9/22/2004 5:15:11 PM 200403751	NA	NA	NA	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/27/2004 6:10:00 PM 1032024	SAMP	5	14	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/28/2004 5:06:00 PM 1033507	SAMP	40	2	☐
			Semivolatile Organics by Method 8270C			40:P 11/1/2004 5:15:11 PM	9/30/2004 12:03:00 PM 1033825	SAMP	100	1	☐
0409182-10C			Phenols Water Prep. (Direct) by Method 9065M			28:C 10/14/2004 7:00:00 AM	10/2/2004 10:04:50 AM 200403878	NA	NA	NA	☐
			Phenols (Direct) In Water by Method 9065M (4AAP)			28:C 10/14/2004 7:00:00 AM	10/4/2004 10:04:17 AM 1035539	SAMP	1	1	☐
0409182-10D			Cyanide, Total by Method 335.3			14:C 9/30/2004 7:00:00 AM	10/1/2004 5:09:16 PM 1034829	SAMP	1	1	☑
			Cyanide Prep, Amenable to Chlorination by M 335.1			14:C 9/30/2004 7:00:00 AM	9/27/2004 8:42:03 AM 200403798	NA	NA	NA	☐
0409182-11A	TRIP BLANK	Water	Volatile Organic Compound Analysis by Method 8021B	9/16/2004 7:00:00 AM	9/17/2004 9:00:00 AM	14:C 9/30/2004 7:00:00 AM	9/21/2004 11:57:19 PM 1028814	SAMP	1	4	☐

HT 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.
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.

GC VOLATILES

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
Project: 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 COMPOUND ANALYSIS BY METHOD 8021B **Method:** 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_040921A	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_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
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix 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

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

Client: URS Corporation
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 COMPOUND ANALYSIS BY METHOD 8021B **Method:** 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
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0111
Alt. Client ID:
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

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	2.82		1.00	µg/L	1	9/21/2004 3:08:05 PM	HP68906A_040921A	KKU
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
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0210
Alt. Client ID:
Collection Date: 9/16/2004 10:35:00 A **% Moist:**

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	KKU
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

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

LIMS Version #: 040922_1730
Printed: Thursday, September 23, 2004 10:08:57 AM

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
Project: 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 **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	KKU
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	KKU

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0106
Alt. Client ID:
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 **Method:** SW8021B **Prep Method:** SW5030B

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Benzene	1.58		1.00	µg/L	1	9/21/2004 4:44:08 PM	HP68906A_040921A	KKU
Ethylbenzene	1.71		1.00	µg/L	1			
Toluene	1.61		1.00	µg/L	1			
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_040921A	KKU

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

Client: URS Corporation
Lab Order: 0409182
Project: 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 COMPOUND ANALYSIS BY METHOD 8021B **Method:** SW8021B **Prep Method:** SW5030B

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Benzene	917		50.0	µg/L	50	9/21/2004 8:44:22 PM	HP68906A_040921A	KKU
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	%REC	50	9/21/2004 8:44:22 PM	HP68906A_040921A	KKU

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: 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 COMPOUND ANALYSIS BY METHOD 8021B **Method:** SW8021B **Prep Method:** SW5030B

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
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
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 COMPOUND ANALYSIS BY METHOD 8021B **Method:** SW8021B **Prep Method:** SW5030B

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
Benzene	29.1		1.00	µg/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

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 matrix 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

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
Project: 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 COMPOUND ANALYSIS BY METHOD 8021B **Method:** SW8021B **Prep Method:** SW5030B

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:

* - 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 matrix 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

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
Project: Energy East Plattsburgh

Client Sample ID: TRIP BLANK
Alt. Client ID:
Collection Date: 9/16/2004 7:00:00 AM **% Moist:**

Lab ID: 0409182-11A **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	ND		1.00	µg/L	1	9/21/2004 11:57:19 PM	HP68906A_040921A	KKU
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 limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Work Order: 0409182
Project: Energy East Plattsburgh
Test Code: 1_8021b_a_w
Batch ID: HP68906A_040921A

QC SUMMARY REPORT
SURROGATE RECOVERIES

Volatile Organic Compound Analysis by Method 8021B

Sample ID	Type	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							

Acronym	Surrogate	QC Limits
BRCLBZ4	= 4-Bromochlorobenzene	59-147

*** Surrogate recovery outside acceptance limits**

D - Diluted due to matrix or extended target compounds

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

CLIENT: URS Corporation
Work Order: 0409182
Project: Energy East Plattsburgh

QC SUMMARY REPORT
Sample Matrix Spike

Volatile Organic Aromatics by GC Method 8021B Test Code: *1_8021b_a_w* Units: *µg/L*

Sample ID: **0409182-04AMS** Client Sample ID: **BSGDD0210** DF: 1 DL_No: 1

Run Batch ID: HP68906A_040921A SeqNo: 1028828 Analysis Date: 9/21/2004 7:08:08 PM Prep Batch ID: R58493 Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
Benzene	20.36	0.1760	1.000	20.00	1.678	93	85	115			
Ethylbenzene	18.51	0.1170	1.000	20.00	0.2921	91	85	115			
Toluene	18.76	0.1580	1.000	20.00	0.4751	91	85	115			
Xylenes, Total	55.15	1.600	2.000	60.00	0	92	85	115			
S 4-Bromochlorobenzene	19.09	0	0	20.00	0	95	59	147			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

CLIENT: URS Corporation
Work Order: 0409182
Project: Energy East Plattsburgh

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Volatile Organic Aromatics by GC Method 8021B

Test Code: *1_8021b_a_w* Units: *µg/L*

Sample ID: **0409182-04AMSD** Client Sample ID: **BSGDD0210** DF: 1 DL_No: 1

Run Batch ID: HP68906A_040921A SeqNo: 1028827 Analysis Date: 9/21/2004 7:56:05 PM Prep Batch ID: R58493 Prep Date:

	Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit 1	Qual
	Benzene	21.18	0.1760	1.000	20.00	1.678	98	85	115	4.3	20	
	Ethylbenzene	19.64	0.1170	1.000	20.00	0.2921	97	85	115	6.0	20	
	Toluene	19.53	0.1580	1.000	20.00	0.4751	95	85	115	4.1	20	
	Xylenes, Total	57.92	1.600	2.000	60.00	0	97	85	115	4.9	20	
S	4-Bromochlorobenzene	20.76	0	0	20.00	0	104	59	147	0.0	0	

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

CLIENT: URS Corporation
Work Order: 0409182
Project: Energy East Plattsburgh

QC SUMMARY REPORT
Laboratory Control Spike

Volatile Organic Aromatics by GC Method 8021B

Test Code: *1_8021b_a_w* Units: *µg/L*

Sample ID: **LCS1789-29-1** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: HP68906A_040921A SeqNo: 1028815 Analysis Date: 9/21/2004 10:20:14 AM Prep Batch ID: R58493 Prep Date:

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
Benzene	18.36	0.1760	1.000	20.00	0	92	85	115			
Ethylbenzene	18.15	0.1170	1.000	20.00	0	91	85	115			
Toluene	18.37	0.1580	1.000	20.00	0	92	85	115			
Xylenes, Total	54.08	1.600	2.000	60.00	0	90	85	115			
S 4-Bromochlorobenzene	18.93	0	0	20.00	0	95	59	147			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

CLIENT: URS Corporation
Work Order: 0409182
Project: Energy East Plattsburgh

QC SUMMARY REPORT
Method Blank

Volatile Organic Aromatics by GC Method 8021B Test Code: *1_8021b_a_w* Units: *µg/L*

Sample ID: **MBLK1789-29-2** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: HP68906A_040921A SeqNo: 1028826 Analysis Date: 9/21/2004 9:32:04 AM Prep Batch ID: R58493 Prep Date:

	Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
	Benzene	ND	0.1760	1.000								
	Ethylbenzene	ND	0.1170	1.000								
	Toluene	ND	0.1580	1.000								
	Xylenes, Total	ND	1.600	2.000								
S	4-Bromochlorobenzene	19.39	0	0			97	59	147			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

GCMS SEMIVOLATILES

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
NYS ELAP ID#: 10486
Phone: (716) 685-8080

Laboratory Results

Client: URS Corporation
Client Sample ID: BSGDD0109
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
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-Methylnaphthalene	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	ND		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 limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

Client: URS Corporation
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: 0409182-02B **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	Analyst
2-Methylnaphthalene	ND		9.52	µg/L	1	9/25/2004 7:17:00 PM	SAM_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	µg/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	ND		9.52	µg/L	1			
Surr:2-Fluorobiphenyl	83		38 - 129	%REC	1	9/25/2004 7:17:00 PM	SAM_040925A	MEI
Surr:Nitrobenzene-d5	85		45 - 118	%REC	1			
Surr:Terphenyl-d14	64		10 - 154	%REC	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0111
Alt. Client ID:
Collection Date: 9/16/2004 10:10:00 A **% Moist:**

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)anthracene	ND		9.71	µg/L	1			
Benzo(a)pyrene	ND		9.71	µg/L	1			
Benzo(b)fluoranthene	ND		9.71	µg/L	1			
Benzo(g,h,i)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	ND		9.71	µg/L	1			
Fluoranthene	ND		9.71	µg/L	1			
Fluorene	ND		9.71	µg/L	1			
Indeno(1,2,3-cd)pyrene	ND		9.71	µg/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-Fluorobiphenyl	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 limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Client Sample ID: BSGDD0210
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
Collection Date: 9/16/2004 10:35:00 A **% Moist:**
Lab ID: 0409182-04B **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		9.80	µg/L	1	9/25/2004 8:17:00 PM	SAM_040925A	MEI
Acenaphthene	ND		9.80	µg/L	1			
Acenaphthylene	ND		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	1.58	J	9.80	µg/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:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: BSGUD0101
Alt. Client ID:
Collection Date: 9/16/2004 11:00:00 A **% Moist:**

Lab ID: 0409182-05B **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		9.43	µg/L	1	9/27/2004 4:09:00 PM	SAM_040927A	MEI
Acenaphthene	ND		9.43	µg/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			
Benzo(a)pyrene	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			
Indeno(1,2,3-cd)pyrene	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			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Client Sample ID: BSGDD0106
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
Collection Date: 9/16/2004 11:40:00 A **% Moist:**
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:** SW3520C

Analyte	Result	Q	Limit	Units	DF	Date Analyzed	Run Batch ID	Analyst
2-Methylnaphthalene	5.51	J	9.80	µg/L	1	9/27/2004 4:39:00 PM	SAM_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	SAM_040927A	MEI
Surr:Nitrobenzene-d5	82		45 - 118	%REC	1			
Surr:Terphenyl-d14	72		10 - 154	%REC	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0102
Alt. Client ID:
Collection Date: 9/16/2004 12:10:00 P **% Moist:**

Lab ID: 0409182-07B **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)anthracene	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	µg/L	5			
Benzo(k)fluoranthene	79.9	J	243	µg/L	5			
Chrysene	117	J	243	µg/L	5			
Dibenz(a,h)anthracene	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			
Naphthalene	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			
Surr:2-Fluorobiphenyl	89		38 - 129	%REC	5	9/27/2004 5:40:00 PM	SAM_040927A	MEI
Surr:Nitrobenzene-d5	84		45 - 118	%REC	5			
Surr:Terphenyl-d14	91		10 - 154	%REC	5			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0107
Alt. Client ID:
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 8270C **Method:** SW8270C **Prep Method:** SW3520C

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	1			
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	µg/L	1			
Fluoranthene	46.9		9.80	µg/L	1			
Fluorene	62.6		9.80	µg/L	1			
Indeno(1,2,3-cd)pyrene	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	MEI
Surr:Nitrobenzene-d5	63		45 - 118	%REC	1			
Surr:Terphenyl-d14	44		10 - 154	%REC	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Client Sample ID: BSGDIM0107
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
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	Analyst
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	77		45 - 118	%REC	1			
Surr:Terphenyl-d14	72		10 - 154	%REC	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: DUP09/16/04
Alt. Client ID:
Collection Date: 9/16/2004 7:00:00 AM **% Moist:**

Lab ID: 0409182-10B **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	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			
Benzo(a)pyrene	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	µg/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	J	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
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Work Order: 0409182
Project: Energy East Plattsburgh
Test Code: C_8270C_3520C_W_001
Batch ID: SAM_040925A

QC SUMMARY REPORT
SURROGATE RECOVERIES

Semivolatile Organics by Method 8270C

Sample ID	Type	NO2BZD5	PHEN2F	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

*** Surrogate recovery outside acceptance limits**

D - Diluted due to matrix or extended target compounds

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
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

Sample ID	Type	NO2BZD5	PHEN2F	PHEND14					
0409182-05B	SAMP	96	97	79					
0409182-06B	SAMP	82	82	72					
0409182-07B	SAMP	84	89	91					
0409182-08B	SAMP	63	72	44					
0409182-09B	SAMP	77	78	72					
0409182-10B	SAMP	89	82	60					

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

*** Surrogate recovery outside acceptance limits**

D - Diluted due to matrix or extended target compounds

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

CLIENT: URS Corporation
Work Order: 0409182
Project: Energy East Plattsburgh

QC SUMMARY REPORT
Laboratory Control Spike

PAHS by Method 8270C

Test Code: *C_8270C_3520C_W_001* Units: µg/L

Sample ID: **LCS-200403751** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **SAM_040925A** SeqNo: **1031106** Analysis Date: **9/25/2004 5:47:00 PM** Prep Batch ID: **200403751** Prep Date: **9/22/2004**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
Acenaphthene	32.88	0.7050	10.00	40.00	0	82	34	110			
Acenaphthylene	32.62	0.6280	10.00	40.00	0	82	23	131			
Anthracene	31.09	0.7030	10.00	40.00	0	78	18	133			
Benz(a)anthracene	33.49	0.8650	10.00	40.00	0	84	29	146			
Benzo(a)pyrene	32.56	0.7740	10.00	40.00	0	81	21	139			
Benzo(b)fluoranthene	33.87	0.8440	10.00	40.00	0	85	35	136			
Benzo(g,h,i)perylene	34.58	0.7110	10.00	40.00	0	86	55	113			
Benzo(k)fluoranthene	33.50	0.7430	10.00	40.00	0	84	37	138			
Chrysene	34.47	0.8570	10.00	40.00	0	86	31	144			
Dibenz(a,h)anthracene	34.14	0.7600	10.00	40.00	0	85	59	112			
Fluoranthene	31.09	0.8060	10.00	40.00	0	78	29	142			
Fluorene	33.96	0.7990	10.00	40.00	0	85	24	133			
Indeno(1,2,3-cd)pyrene	34.06	0.8000	10.00	40.00	0	85	56	114			
Naphthalene	33.21	0.5780	10.00	40.00	0	83	36	110			
Phenanthrene	32.50	0.7320	10.00	40.00	0	81	28	144			
Pyrene	35.37	0.7740	10.00	40.00	0	88	25	135			
S 2-Fluorobiphenyl	46.30	0	0	50.00	0	93	38	129			
S Nitrobenzene-d5	45.98	0	0	50.00	0	92	45	118			
S Terphenyl-d14	47.71	0	0	50.00	0	95	10	154			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: URS Corporation

Work Order: 0409182

Project: Energy East Plattsburgh

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

PAHS by Method 8270C

Test Code: *C_8270C_3520C_W_001* Units: µg/L

Sample ID: **LCSD-200403751** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **SAM_040925A** SeqNo: **1031107** Analysis Date: **9/25/2004 6:17:00 PM** Prep Batch ID: **200403751** Prep Date: **9/22/2004**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit ¹	Qual
Acenaphthene	32.60	0.7050	10.00	40.00	0	82	34	110	0.9	20	
Acenaphthylene	32.13	0.6280	10.00	40.00	0	80	23	131	1.5	20	
Anthracene	30.46	0.7030	10.00	40.00	0	76	18	133	2.1	20	
Benz(a)anthracene	32.49	0.8650	10.00	40.00	0	81	29	146	3.0	20	
Benzo(a)pyrene	31.48	0.7740	10.00	40.00	0	79	21	139	3.4	20	
Benzo(b)fluoranthene	32.30	0.8440	10.00	40.00	0	81	35	136	4.7	20	
Benzo(g,h,i)perylene	33.30	0.7110	10.00	40.00	0	83	55	113	3.8	20	
Benzo(k)fluoranthene	33.33	0.7430	10.00	40.00	0	83	37	138	0.5	20	
Chrysene	33.16	0.8570	10.00	40.00	0	83	31	144	3.9	20	
Dibenz(a,h)anthracene	33.06	0.7600	10.00	40.00	0	83	59	112	3.2	20	
Fluoranthene	31.62	0.8060	10.00	40.00	0	79	29	142	1.7	20	
Fluorene	32.75	0.7990	10.00	40.00	0	82	24	133	3.6	20	
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	81	36	110	2.8	20	
Phenanthrene	31.19	0.7320	10.00	40.00	0	78	28	144	4.1	20	
Pyrene	34.51	0.7740	10.00	40.00	0	86	25	135	2.5	20	
S 2-Fluorobiphenyl	44.29	0	0	50.00	0	89	38	129	0.0	0	
S Nitrobenzene-d5	43.37	0	0	50.00	0	87	45	118	0.0	0	
S Terphenyl-d14	45.10	0	0	50.00	0	90	10	154	0.0	0	

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: ! - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

CLIENT: URS Corporation
Work Order: 0409182
Project: Energy East Plattsburgh

QC SUMMARY REPORT
Method Blank

PAHS by Method 8270C Test Code: *C_8270C_3520C_W_001* Units: µg/L

Sample ID: **MB-200403751** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **SAM_040925A** SeqNo: **1031105** Analysis Date: **9/25/2004 5:17:00 PM** Prep Batch ID: **200403751** Prep Date: **9/22/2004**

Analyte Type	Analyte Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
	2-Methylnaphthalene	ND	2.200	10.00								
	Acenaphthene	ND	0.7050	10.00								
	Acenaphthylene	ND	0.6280	10.00								
	Anthracene	ND	0.7030	10.00								
	Benz(a)anthracene	ND	0.8650	10.00								
	Benzo(a)pyrene	ND	0.7740	10.00								
	Benzo(b)fluoranthene	ND	0.8440	10.00								
	Benzo(g,h,i)perylene	ND	0.7110	10.00								
	Benzo(k)fluoranthene	ND	0.7430	10.00								
	Chrysene	ND	0.8570	10.00								
	Dibenz(a,h)anthracene	ND	0.7600	10.00								
	Fluoranthene	ND	0.8060	10.00								
	Fluorene	ND	0.7990	10.00								
	Indeno(1,2,3-cd)pyrene	ND	0.8000	10.00								
	Naphthalene	ND	0.5780	10.00								
	Phenanthrene	ND	0.7320	10.00								
	Pyrene	ND	0.7740	10.00								
S	2-Fluorobiphenyl	40.23	0	0			80	38	129			
S	Nitrobenzene-d5	40.51	0	0			81	45	118			
S	Terphenyl-d14	41.65	0	0			83	10	154			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

GENERAL ANALYTICAL CHEMISTRY

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
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 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 matrix 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

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0111
Alt. Client ID:
Collection Date: 9/16/2004 10:10:00 A **% Moist:**

Lab ID 0409182-03D **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	0.00375	J	0.01	mg/L	1	10/1/2004 5:00:35 PM	LACHAT_CN_041001A	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 matrix 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

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

Project: 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	LACHAT_CN_041001A	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

Client: URS Corporation
Client Sample ID: BSGUD0101
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
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	LACHAT_CN_041001A	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method Blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

LIMS Version #: 040929_1500

Printed: Monday, October 04, 2004 2:06:27 PM

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

Client Sample ID: BSGDD0106

Lab Order: 0409182

Alt. Client ID:

Project: Energy East Plattsburgh

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

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not Ignite

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

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

N - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits

LIMS Version #: 040929_1500

Printed: Monday, October 04, 2004 2:06:27 PM

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0102
Alt. Client ID:
Collection Date: 9/16/2004 12:10:00 P **% Moist:**

Lab ID 0409182-07D **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 5:06:21 PM	LACHAT_CN_041001A	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or exceeded target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
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
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Client Sample ID: BSGDIM0107
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
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	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: DUP09/16/04
Alt. Client ID:
Collection Date: 9/16/2004 7:00:00 AM **% Moist:**

Lab ID 0409182-10D **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 5:09:16 PM	LACHAT_CN_041001A	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Client Sample ID: BSGDD0109
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
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_041001A	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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

Work Order: 0409182

Project: Energy East Plattsburgh

QC SUMMARY REPORT

Sample Matrix Spike

Cyanide, Total by Method 335.3

Test Code: *1_335.3_CN_W* Units: **mg/L**

Sample ID **0409182-01DS** Client Sample ID: **BSGDD0109** DF: 1 DL_No: 1

Run Batch ID: LACHAT_CN_041001A SeqNo: **1034818** Analysis Date **10/1/2004 4:57:44 PM** Prep Batch ID: **200403798** Prep Date **9/27/2004**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
Cyanide	0.1109	0.003130	0.01000	0.1000	0	111	90	110			M

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linea
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: URS Corporation

Work Order: 0409182

Project: Energy East Plattsburgh

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Cyanide, Total by Method 335.3

Test Code: *1_335.3_CN_W* Units: mg/L

Sample ID **0409182-01DS1** Client Sample ID: **BSGDD0109** DF: 1 DL_No: 1

Run Batch ID: **LACHAT_CN_041001A** SeqNo: **1034819** Analysis Date **10/1/2004 4:58:41 PM** Prep Batch ID: **200403798** Prep Date **9/27/2004**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
Cyanide	0.09867	0.003130	0.01000	0.1000	0	99	90	110	11.6	20	

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linea
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: URS Corporation

Work Order: 0409182

Project: Energy East Plattsburgh

QC SUMMARY REPORT

Laboratory Control Spike

Cyanide, Total by Method 335.3

Test Code: *1_335.3_CN_W* Units: mg/L

Sample ID **LCS-200403798** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LACHAT_CN_041001A** SeqNo: **1034816** Analysis Date **10/1/2004 4:55:48 PM** Prep Batch ID: **200403798** Prep Date **9/27/2004**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
Cyanide	0.09648	0.003130	0.01000	0.1000	0	96	90	110			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linea
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

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
Work Order: 0409182
Project: Energy East Plattsburgh

QC SUMMARY REPORT
Method Blank

Cyanide, Total by Method 335.3 Test Code: *1_335.3_CN_W* Units: mg/L

Sample ID **MB-200403798** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: LACHAT_CN_041001A SeqNo: 1034817 Analysis Date 10/1/2004 4:54:50 PM Prep Batch ID: 200403798 Prep Date 9/27/2004

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
Cyanide	ND	0.003130	0.01000								

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linea
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

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

Client: URS Corporation
Lab Order: 0409182
Project: 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 (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	0.00372	J	0.005	mg/L	1	10/4/2004 9:55:08 AM	LACHAT_PHENOLS_04100	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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

Project: Energy East Plattsburgh

Client Sample ID: BSGDD0203

Alt. Client ID:

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

Lab ID 0409182-02C **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	0.0234		0.005	mg/L	1	10/4/2004 9:56:10 AM	LACHAT_PHENOLS_04100	RLG

Definitions:

* - Recovery outside QC limits

B - Analyte found in Method blank

D - Diluted due to matrix or extended target compounds

DF - Dilution Factor

DNI - Did not Ignite

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

H - Value Exceeds Maximum Contaminant Level

J - Estimated value

M - Matrix Spike Recovery outside limits

N - Single Column Analysis

NC - Not Calculated

ND - Not Detected at the Reporting Limit

NP - Petroleum Pattern is not present

P - Post Spike Recovery outside limits

R - RPD outside recovery limits

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
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_04100	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0210
Alt. Client ID:
Collection Date: 9/16/2004 10:35:00 A **% Moist:**

Lab ID 0409182-04C **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	0.00692		0.005	mg/L	1	10/4/2004 9:58:12 AM	LACHAT_PHENOLS_04100	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or exceeded target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Client Sample ID: BSGUD0101
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
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
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Client Sample ID: BSGDD0106
Lab Order: 0409182
Alt. Client ID:
Project: Energy East Plattsburgh
Collection Date: 9/16/2004 11:40:00 A **% Moist:**

Lab ID 0409182-06C **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	0.0425		0.005	mg/L	1	10/4/2004 10:00:15 AM	LACHAT_PHENOLS_04100	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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
Project: 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

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	0.106		0.005	mg/L	1	10/4/2004 10:01:16 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
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix 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

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
Project: Energy East Plattsburgh

Client Sample ID: BSGDD0107
Alt. Client ID:
Collection Date: 9/16/2004 12:50:00 P **% Moist:**

Lab ID 0409182-08C **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	0.0311		0.005	mg/L	1	10/4/2004 10:02:16 AM	LACHAT_PHENOLS_04100	RLG

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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 **Client Sample ID:** BSGDIM0107

Lab Order: 0409182 **Alt. Client ID:**

Project: Energy East Plattsburgh **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
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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

Project: 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_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

J - Estimated value

NC - Not Calculated

P - Post Spike Recovery outside limits

D - Diluted due to matrix 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

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: URS Corporation

Work Order: 0409182

Project: Energy East Plattsburgh

QC SUMMARY REPORT

Laboratory Control Spike

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

Test Code: *1_9065ME_W* Units: mg/L

Sample ID **LCS-200403878** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LACHAT_PHENOLS_041004A** SeqNo: **1035521** Analysis Date **10/4/2004 9:44:04 AM** Prep Batch ID: **200403878** Prep Date **10/2/2004**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit	Qual
Phenolics, Total	0.1083	0.002860	0.005000	0.1000	0	108	75	125			

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linea
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

Footnotes: 1 - Represents RSD Limit for Quad Analysis RL - Reporting Limit Analyte Types: S - Surrogate I - Internal Standard

Analytical Services Center

International Specialists in Environmental Analysis

4493 Walden Avenue

Lancaster, New York 14086

a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486

Phone: (716) 685-8080

CLIENT: URS Corporation

Work Order: 0409182

Project: Energy East Plattsburgh

QC SUMMARY REPORT

Method Blank

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

Test Code: *1_9065ME_W* Units: mg/L

Sample ID **MB-200403878** Client Sample ID: DF: 1 DL_No: 1

Run Batch ID: **LACHAT_PHENOLS_041004A** SeqNo: **1035522** Analysis Date **10/4/2004 9:43:03 AM** Prep Batch ID: **200403878** Prep Date **10/2/2004**

Analyte Type / Name	Result	MDL	RL	Spike Value	Orig Result	%REC	LowLimit	HighLimit	RPD	RPD Limit [1]	Qual
Phenolics, Total	ND	0.002860	0.005000								

Qualifier Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linea
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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

Analyte Types: S - Surrogate I - Internal Standard

APPENDIX D
SUMMARY OF HISTORIC BEDROCK GROUNDWATER ANALYTICAL RESULTS

APPENDIX D
HISTORIC BEDROCK GROUNDWATER ANALYTICAL RESULTS

NYSEG-BRIDGE STREET FORMER MGP SITE
PLATTSBURGH, NEW YORK

Parameter	MW-1B		MW-2B		MW-3B		MW-6B		MW-7BD	
	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, Toluene, Ethylbenzene, Xylenes (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*
Polyaromatic Hydrocarbons (µg/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 Chemistry (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

Parameter	MW-7BS		MW-7DD	MW-8B	MW-8BD	MW-9B		MW-10B		MW-11B	
	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
	Benzene, Toluene, Ethylbenzene, 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*
	Polyaromatic Hydrocarbons (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*
	General Chemistry (µg/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

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 1: Angle Well packer removal.

Photo 2: Packer removed from Angle Well.

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 3: Angle Well packer.


Photo 4: Angle Well packer.

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 5: Angle Well packer.

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

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 7: Disposing of PVC from Angle Well packer.

Photo 8: Disposing of PVC from Angle Well packer.

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 9: Purge out standing water in Angle Well.

Photo 10: Purge out standing water in Angle Well.

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 11: Purge water drum from Angle Well.

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

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 13: Grouting up Angle Well.

Photo 14: Angle Well after grouting.

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 15: View of site and Gore sorber points.

Photo 16: View of site.

Photographs – NYSEG Bridge Street
Well Abandonment

Photo 17: View of site.

Photo 18: View of shed at site.